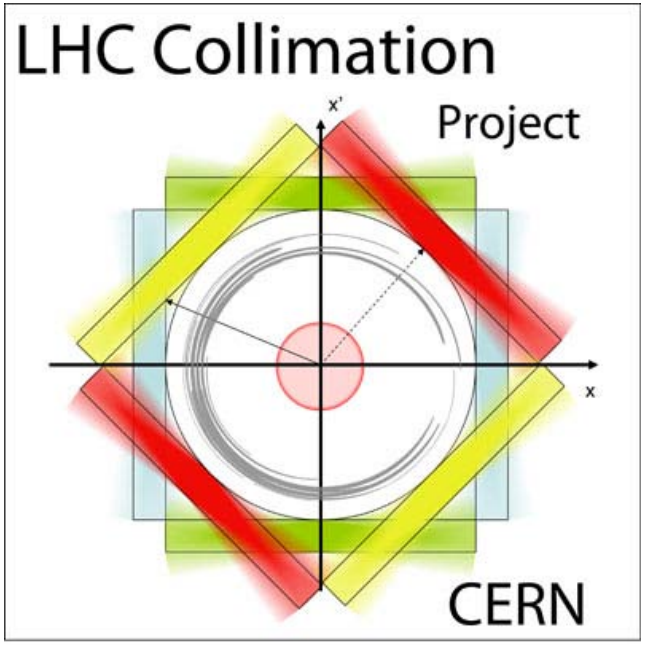
Loss Maps with Ions



G. Valentino

R. Assmann, D. Wollmann, R. Bruce,

S. Redaelli, M. Cauchi

Setup and Qualification for Ions

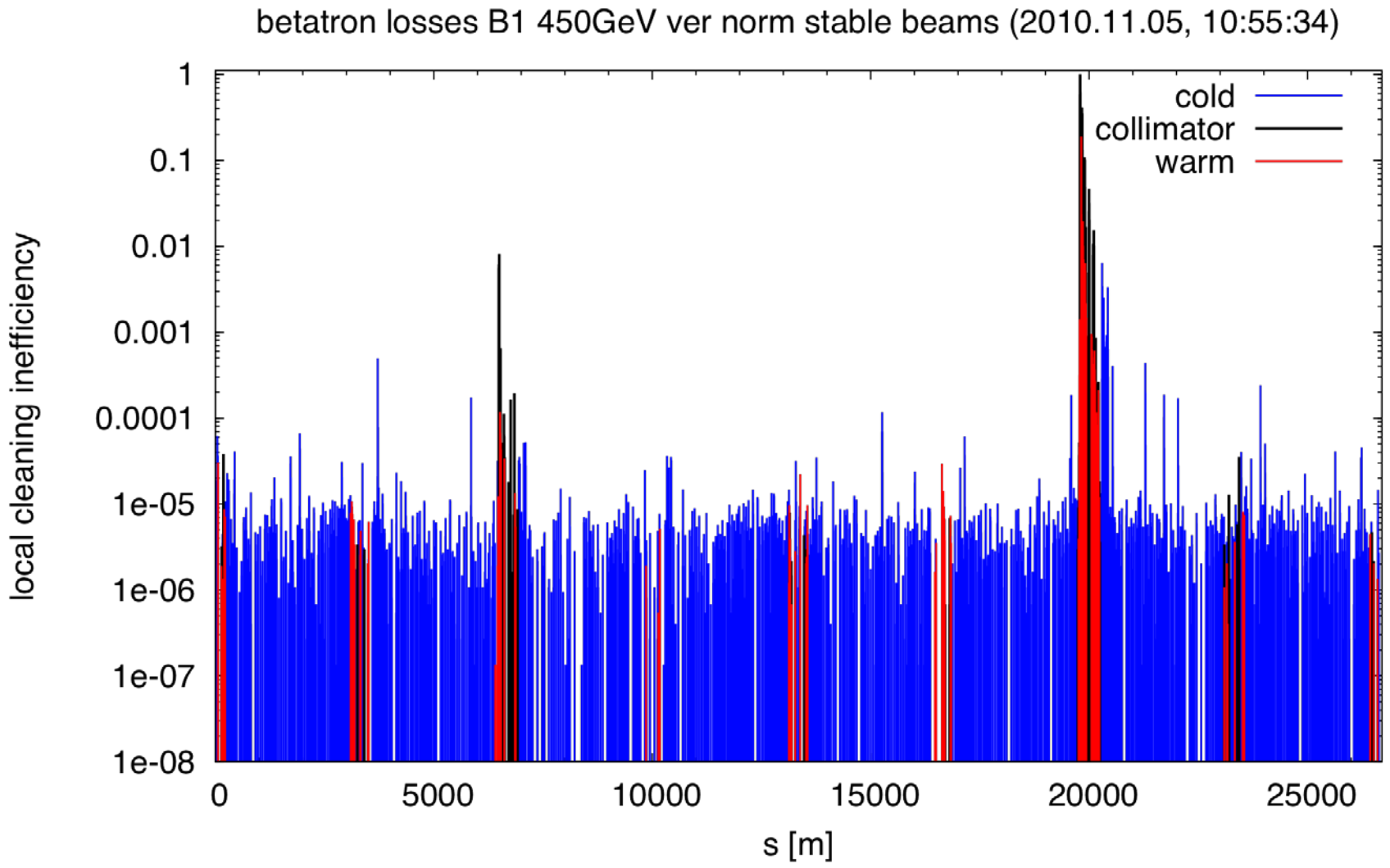
Collimator Set-up

- Collimator centering checks at injection
- TCT setup for collision

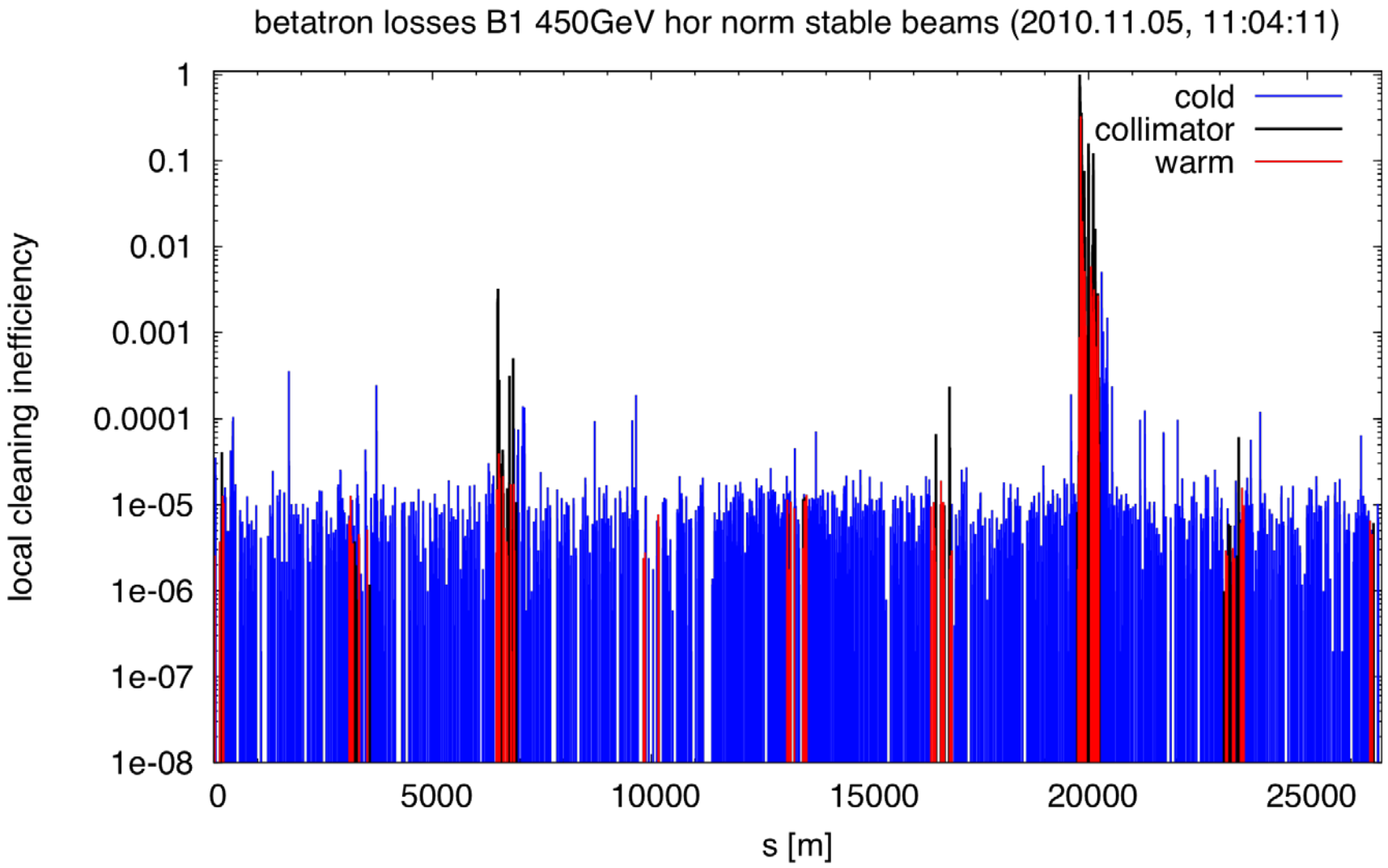
Qualification (Hor, Ver, positive/negative off momentum, B1, B2)

- Full set of loss maps at injection
- Full set of loss maps at flat top before squeeze (off momentum for B1+B2 in parallel)
- Full set of loss maps at the end of squeeze (off momentum for B1+B2 in parallel)
- Full set of loss maps in physics conditions (off momentum for B1+B2 in parallel)

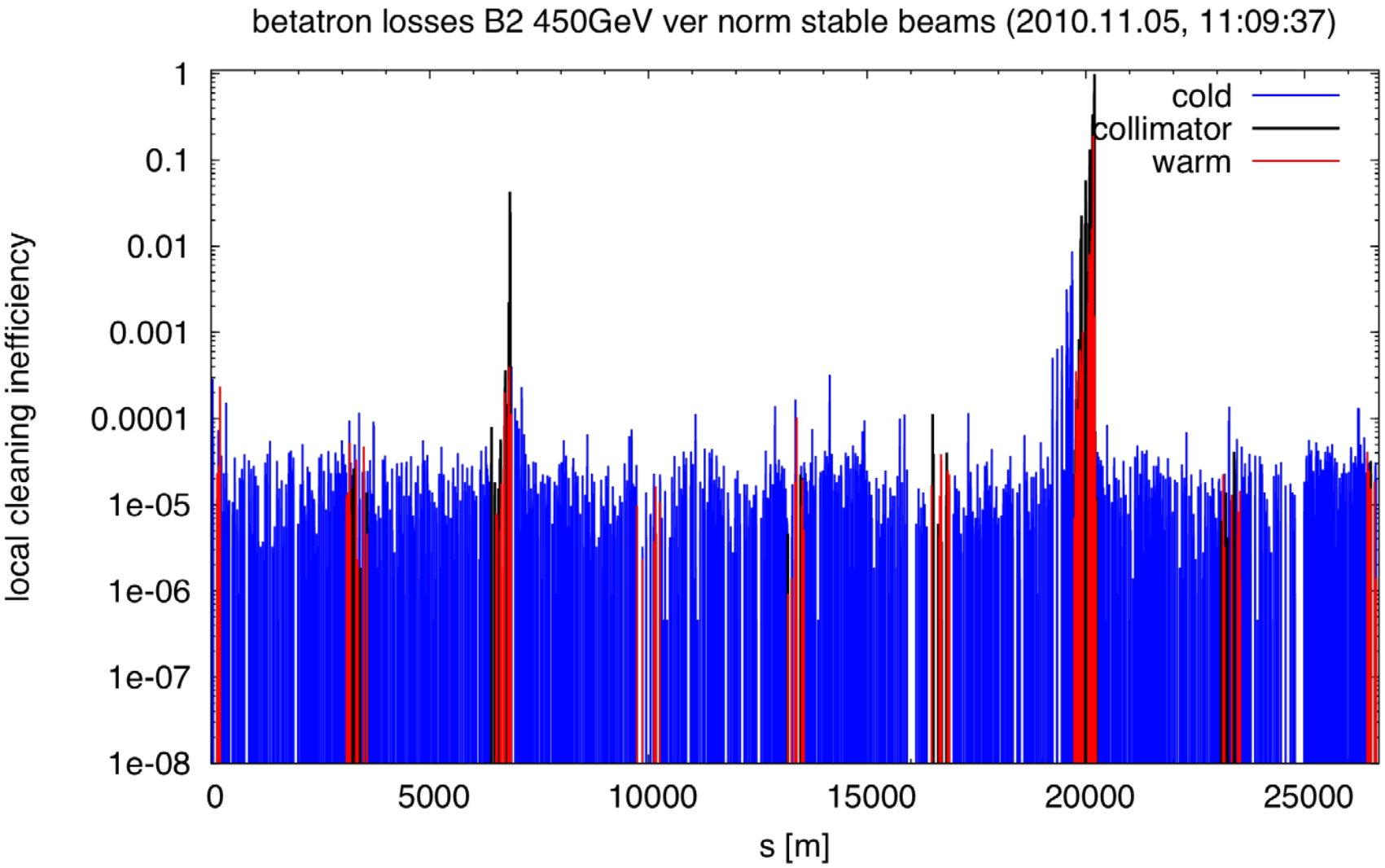
Loss Maps: Injection



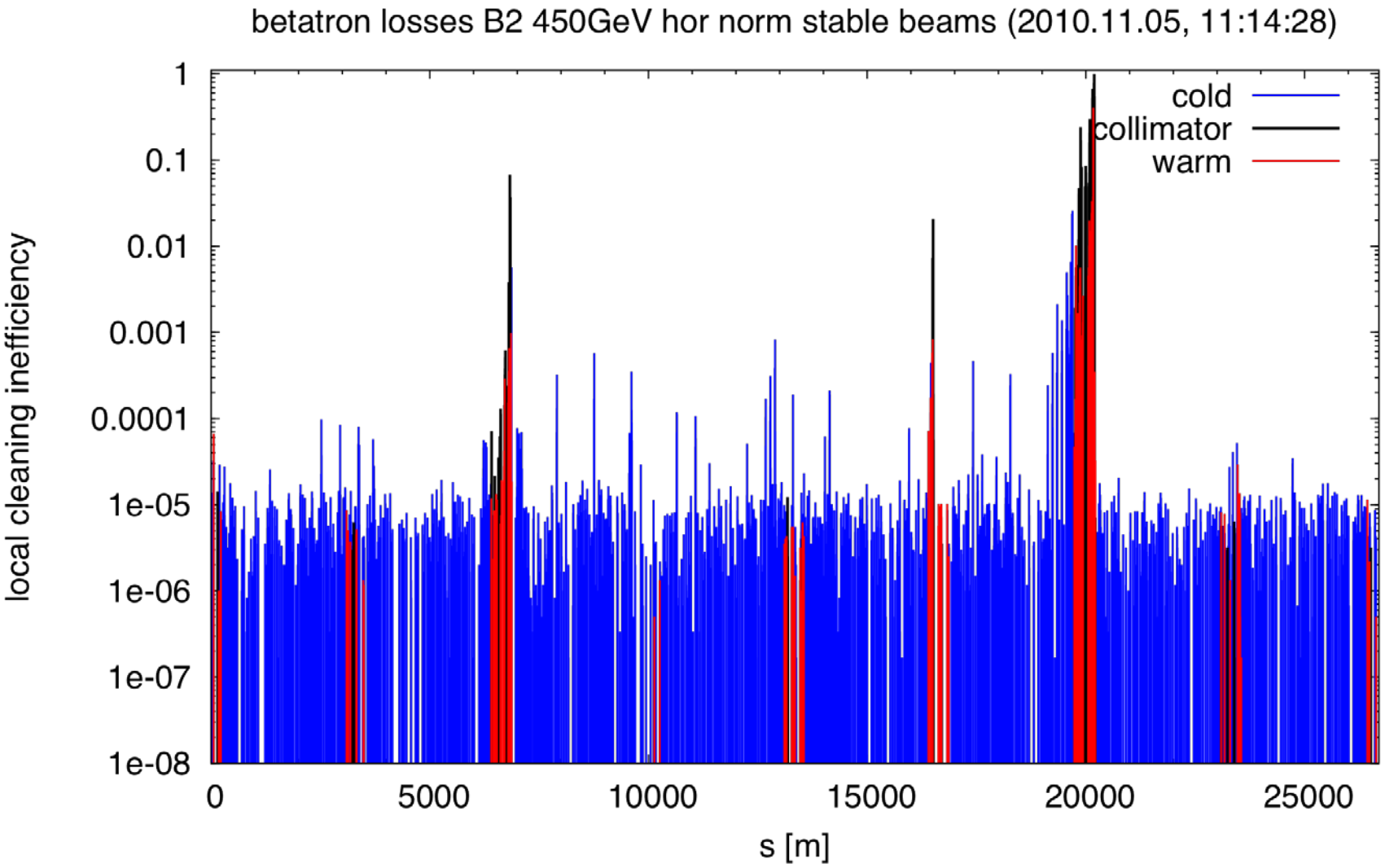
Loss Maps: Injection



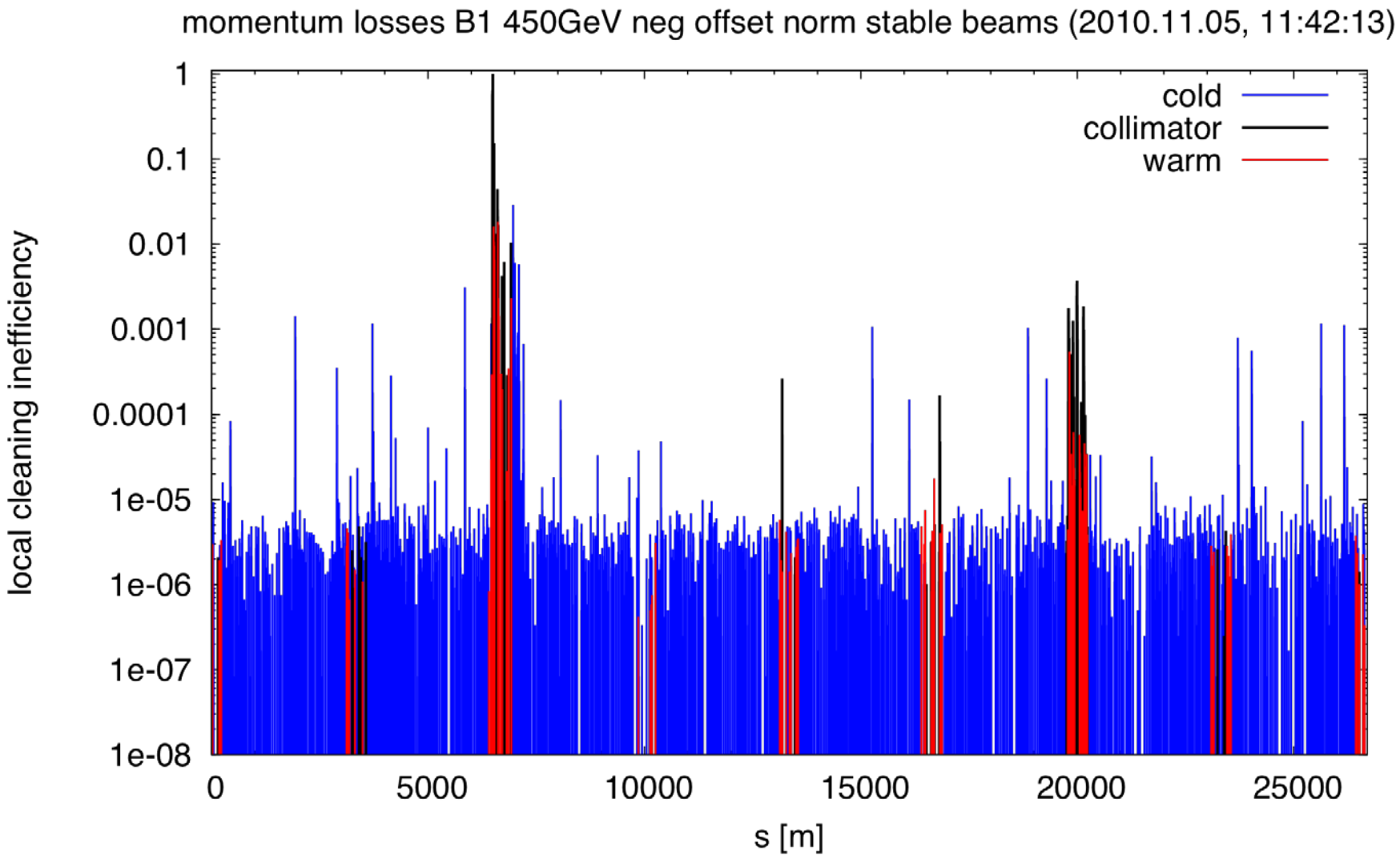
Loss Maps: Injection



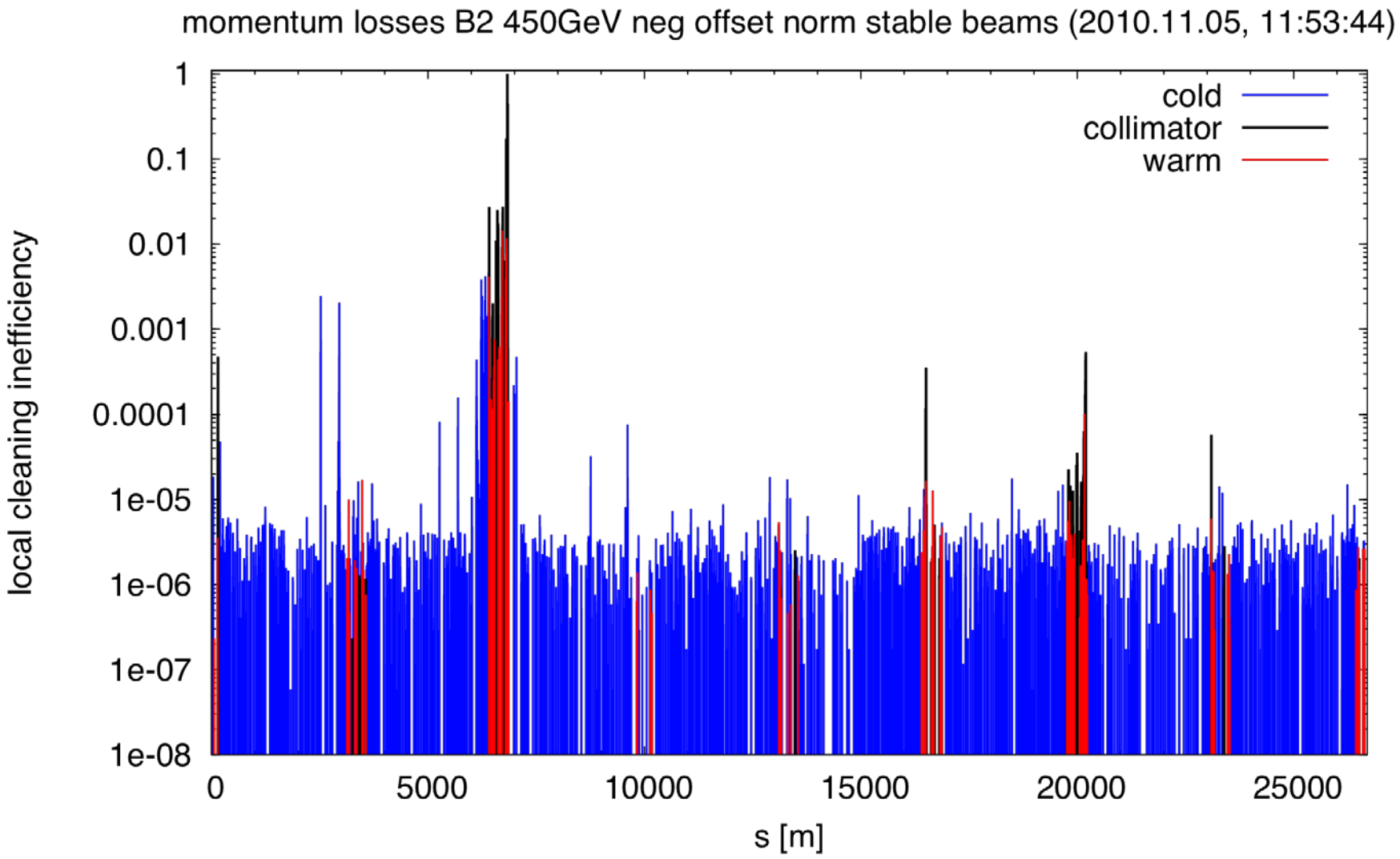
Loss Maps: Injection



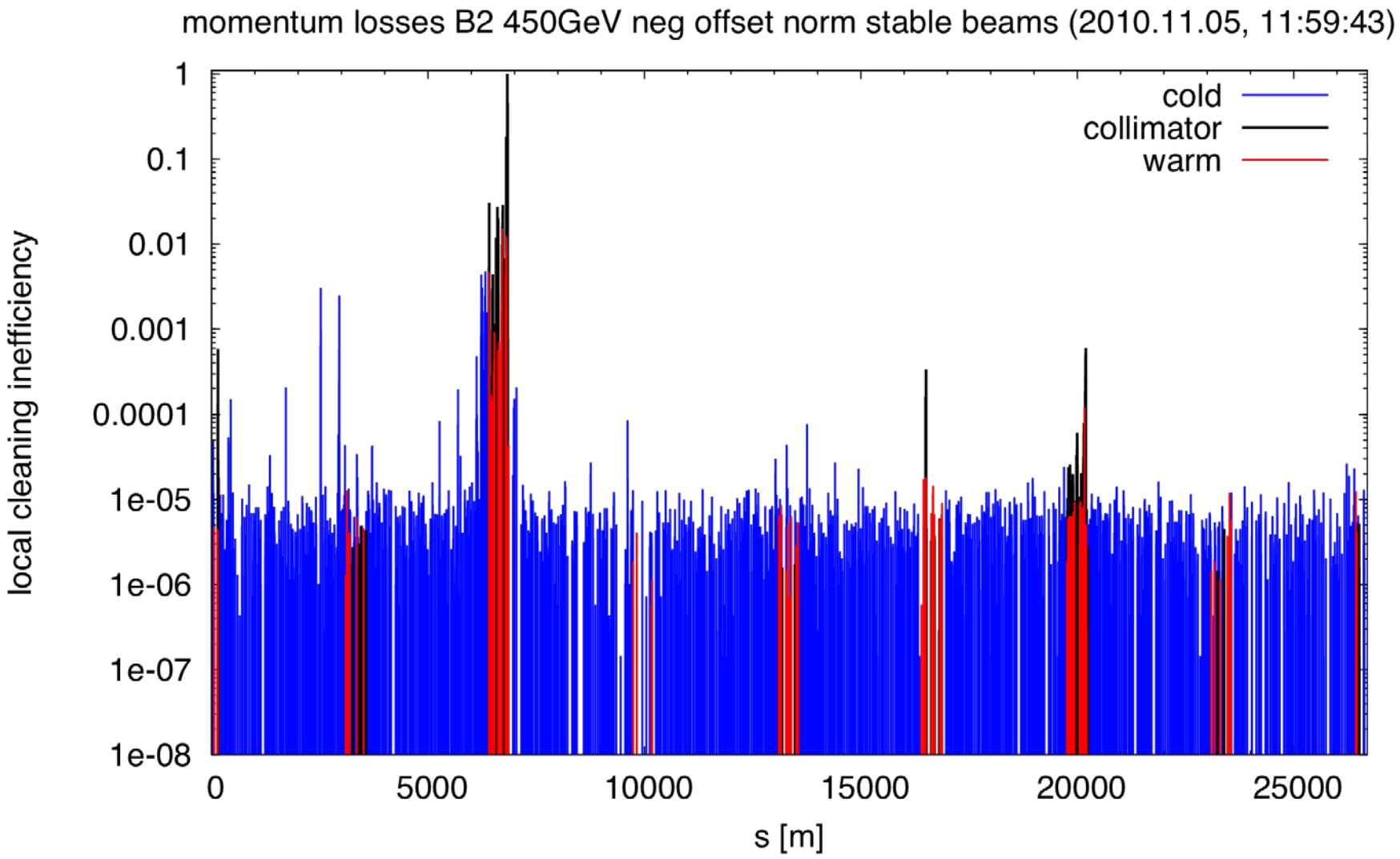
Loss Maps: Injection



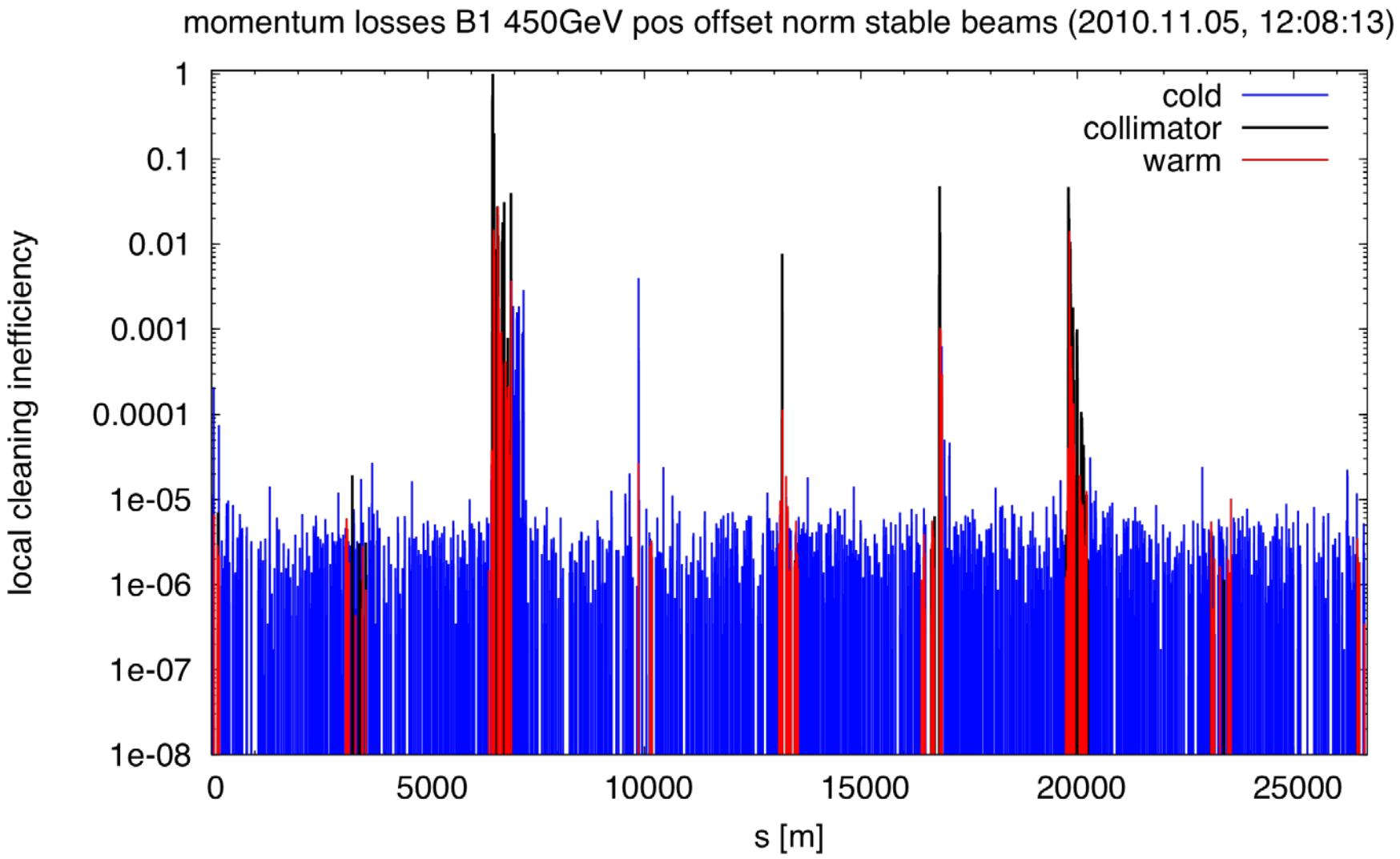
Loss Maps: Injection



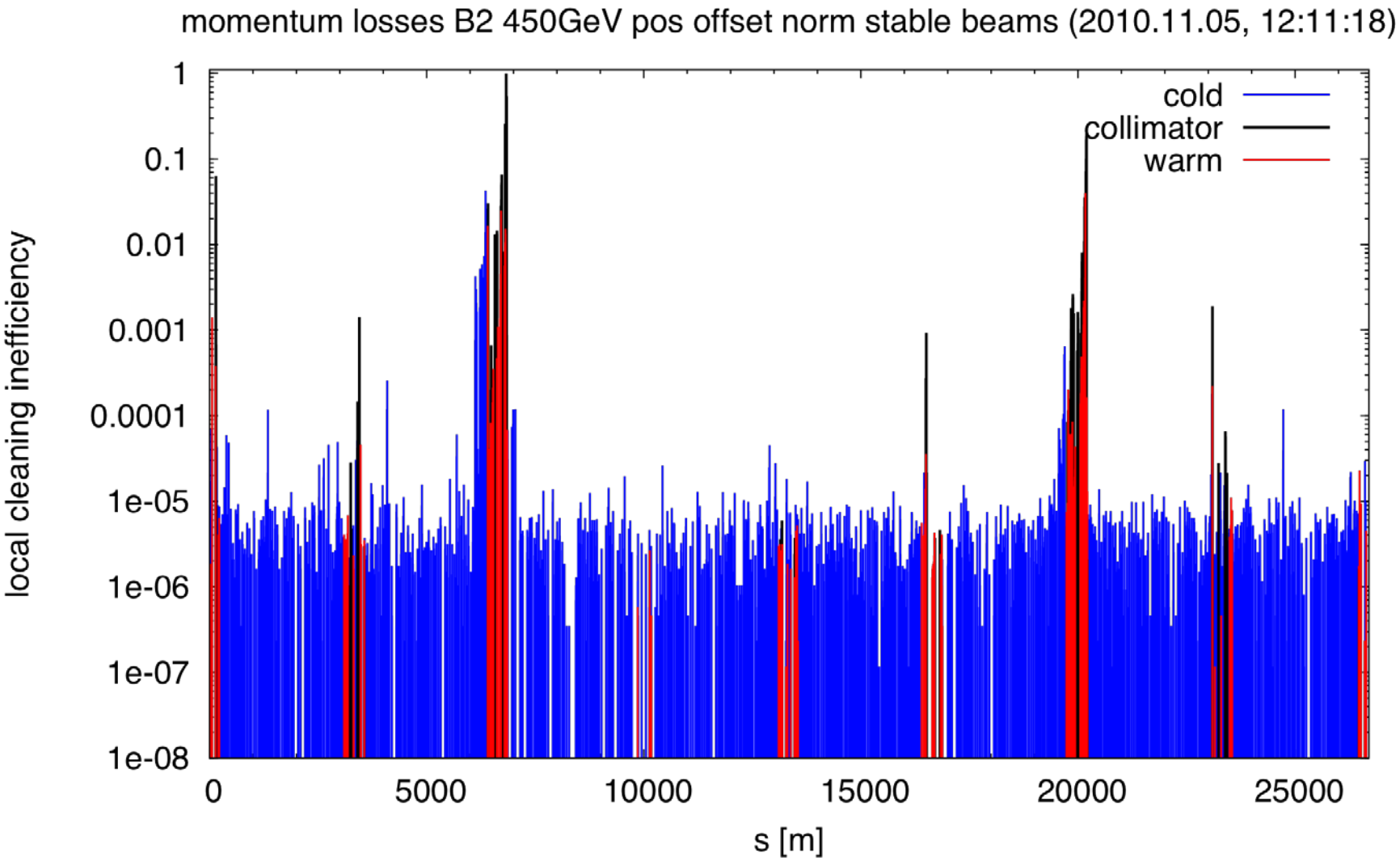
Loss Maps: Injection



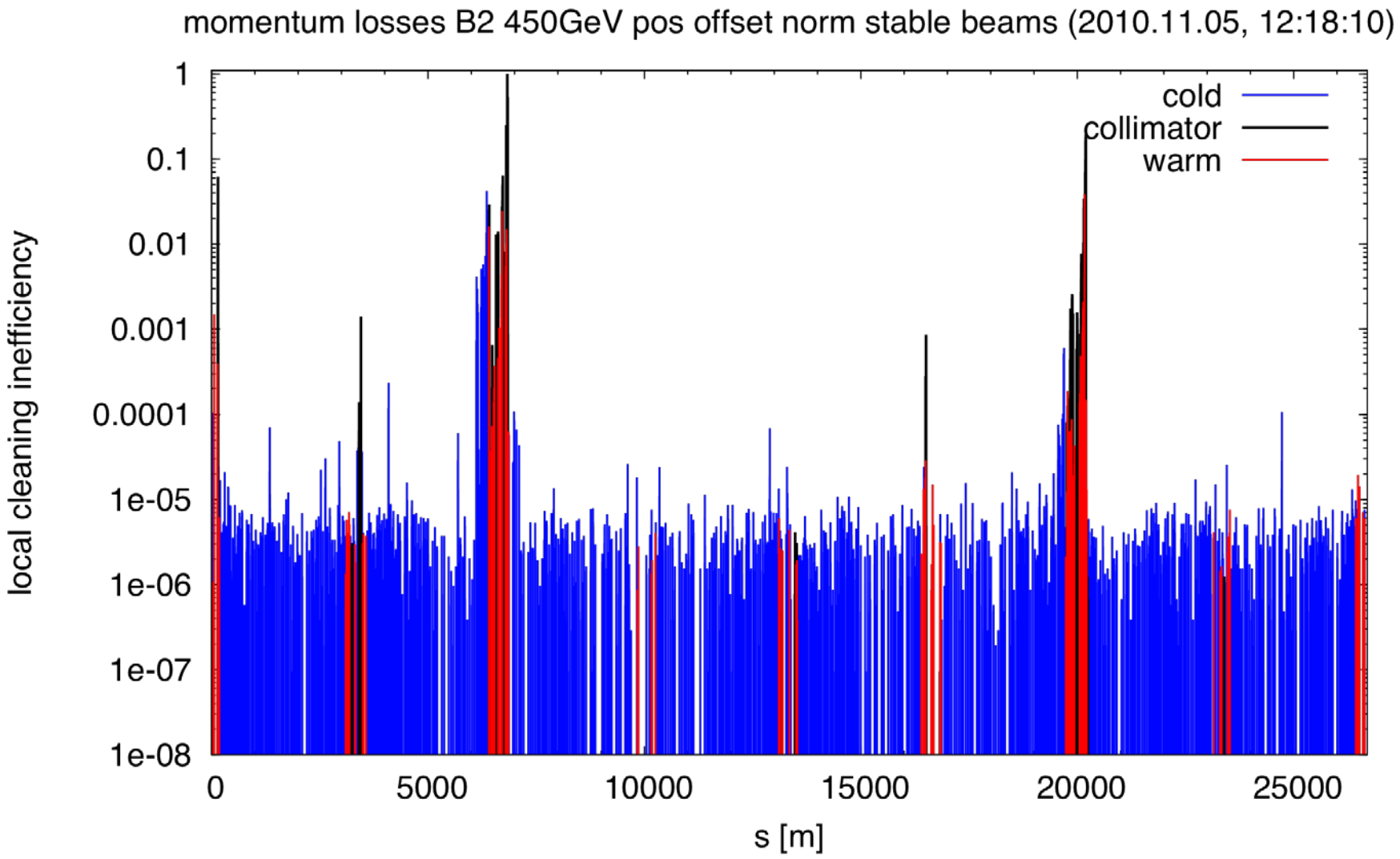
Loss Maps: Injection



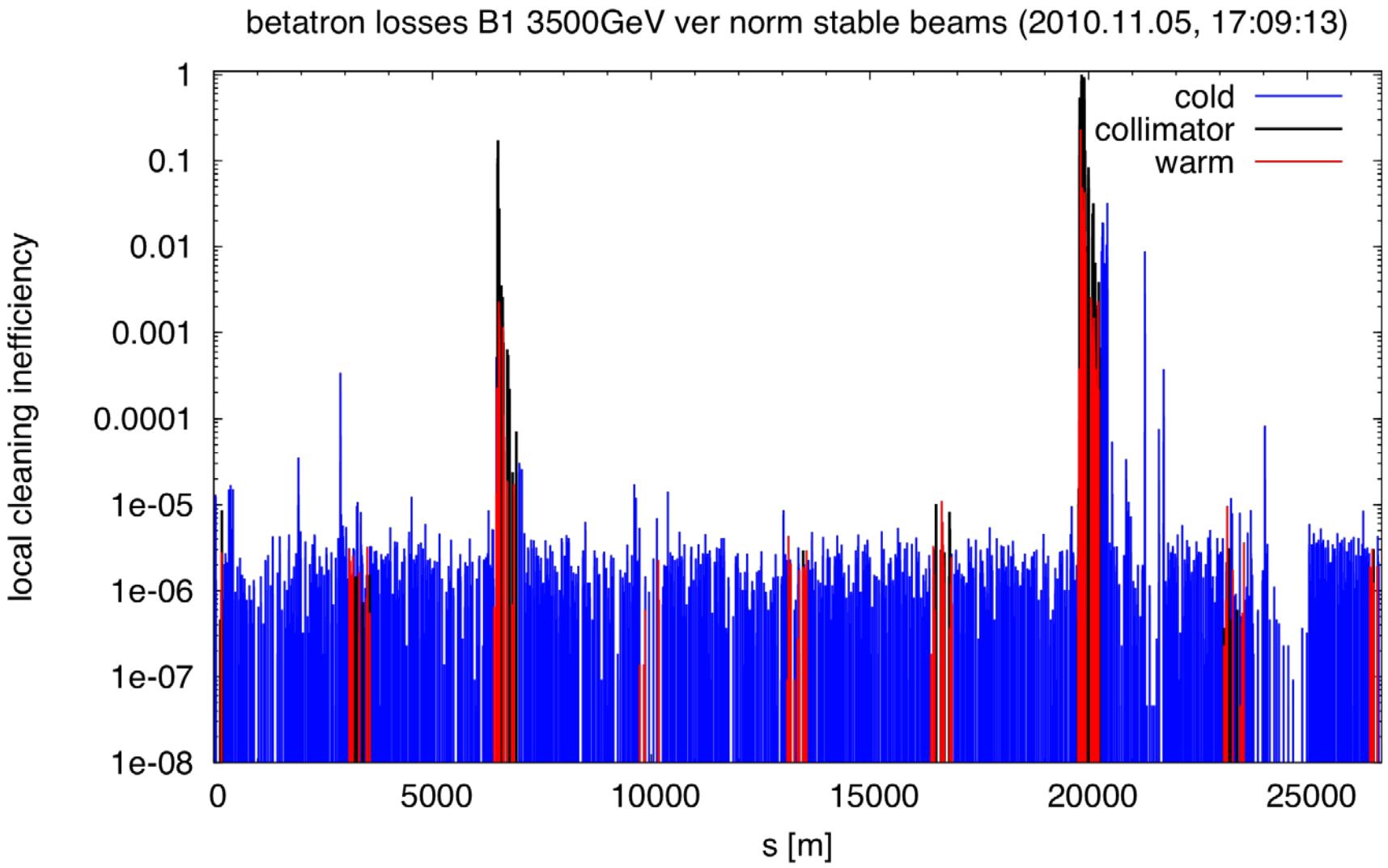
Loss Maps: Injection



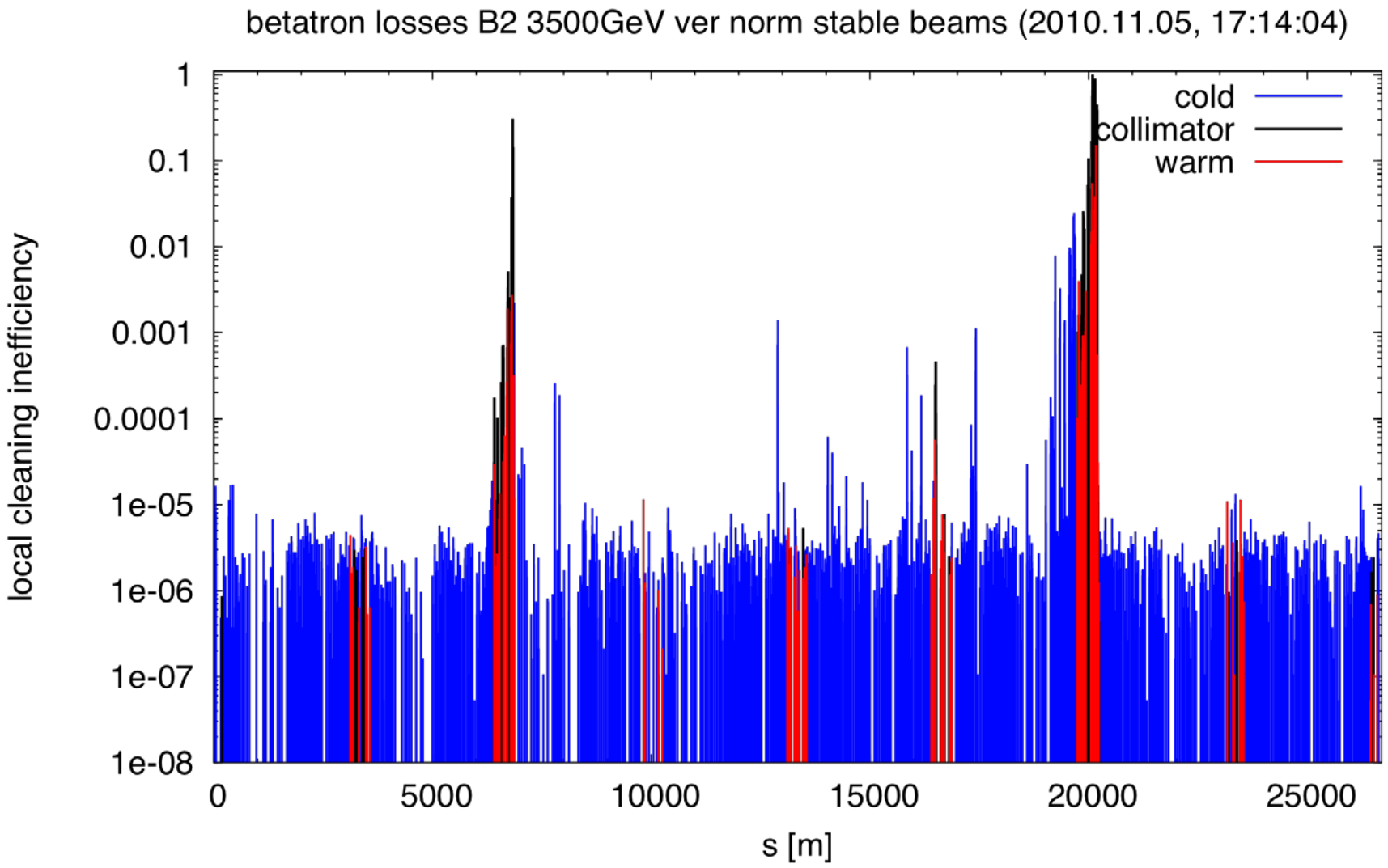
Loss Maps: Injection



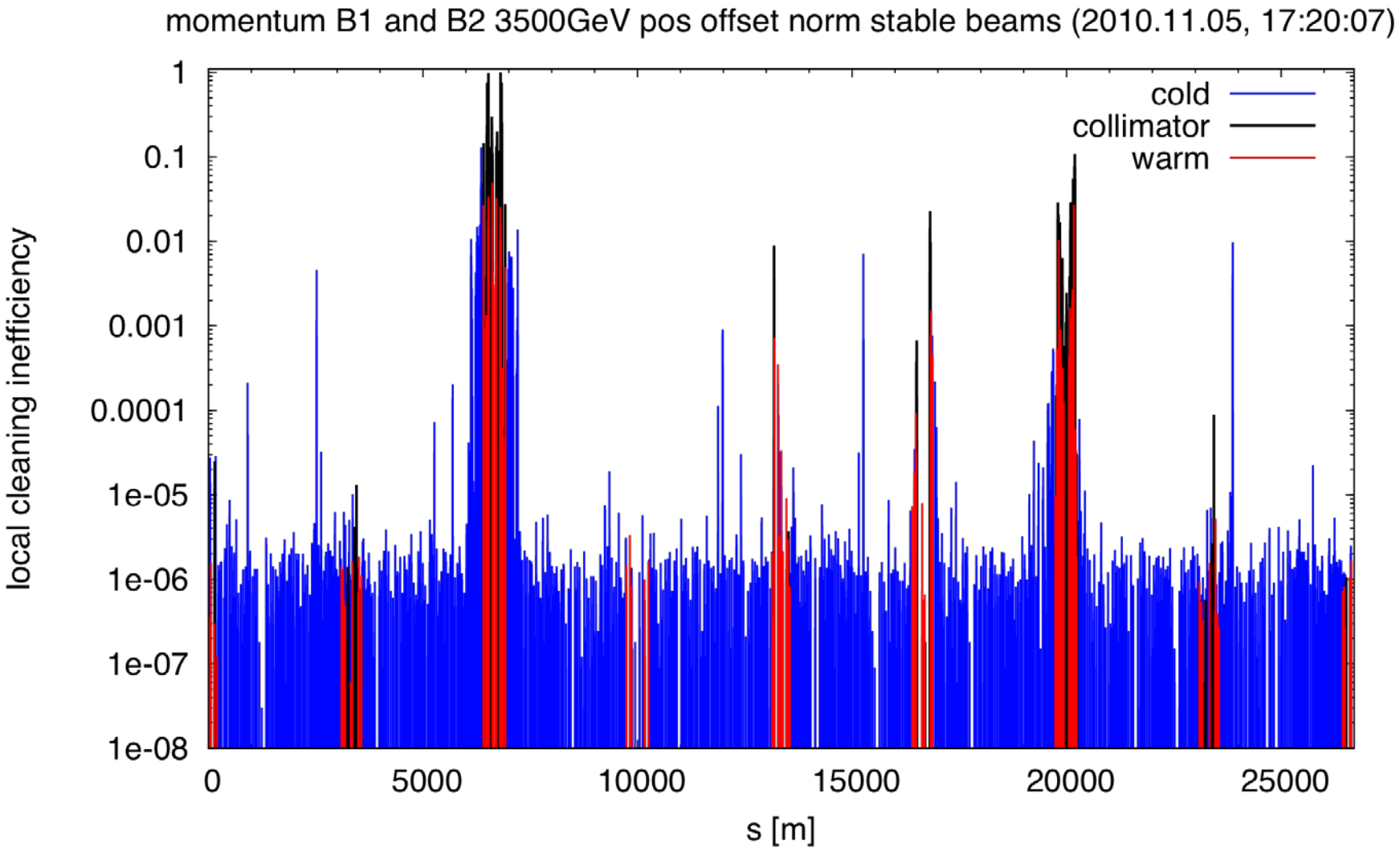
Loss Maps: 3.5 TeV FT before squeeze



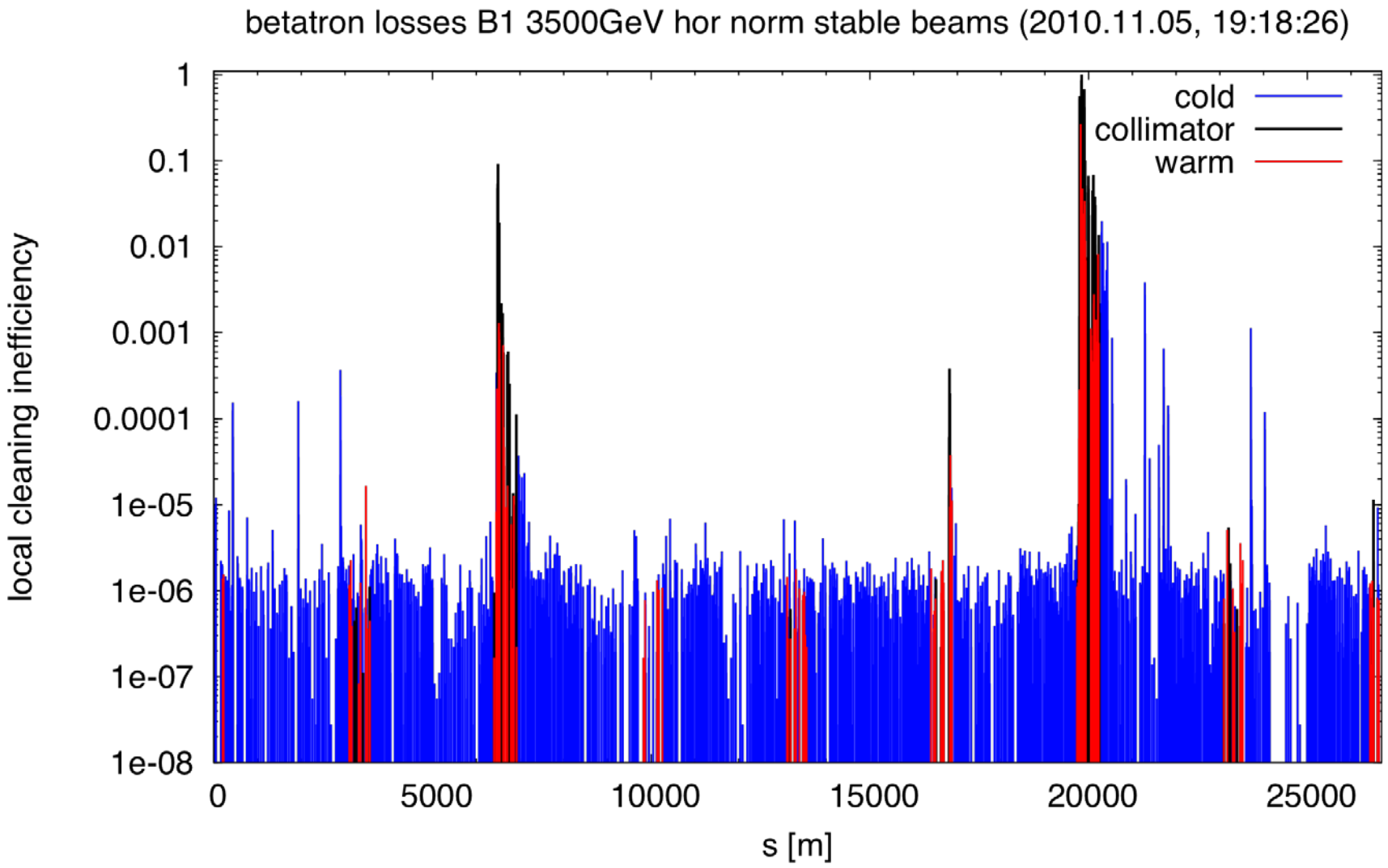
Loss Maps: 3.5 TeV FT before squeeze



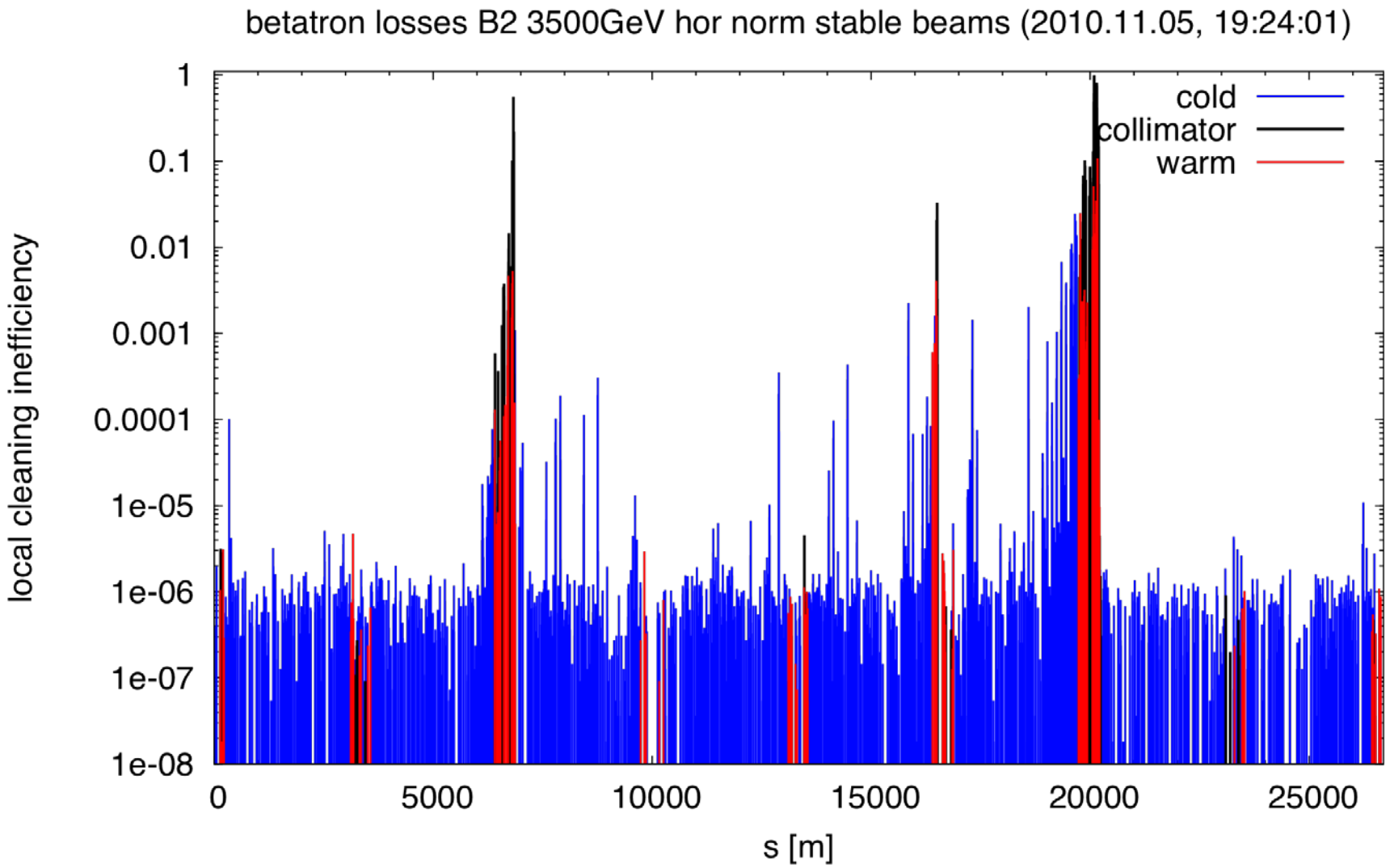
Loss Maps: 3.5 TeV FT before squeeze



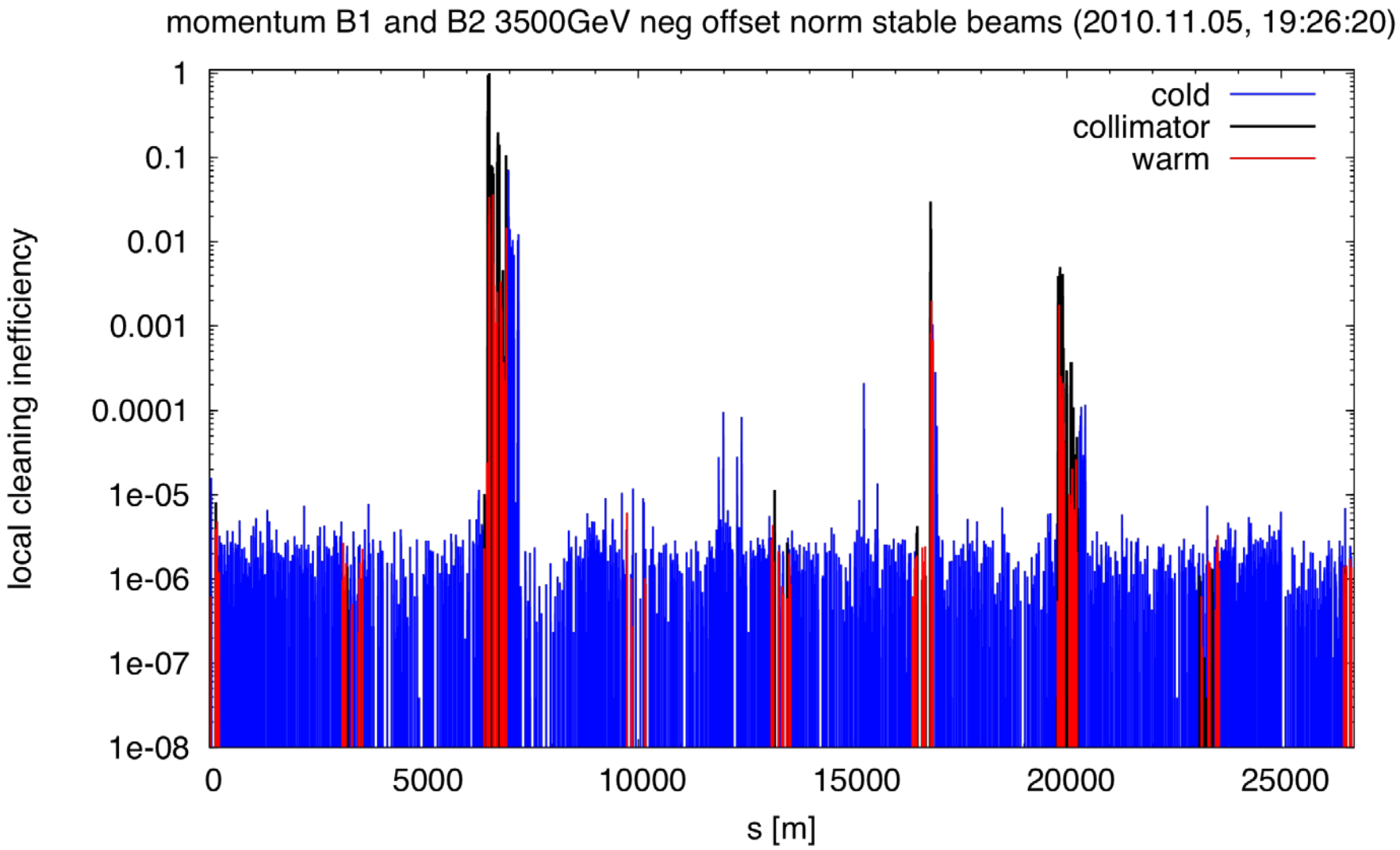
Loss Maps: 3.5 TeV FT before squeeze



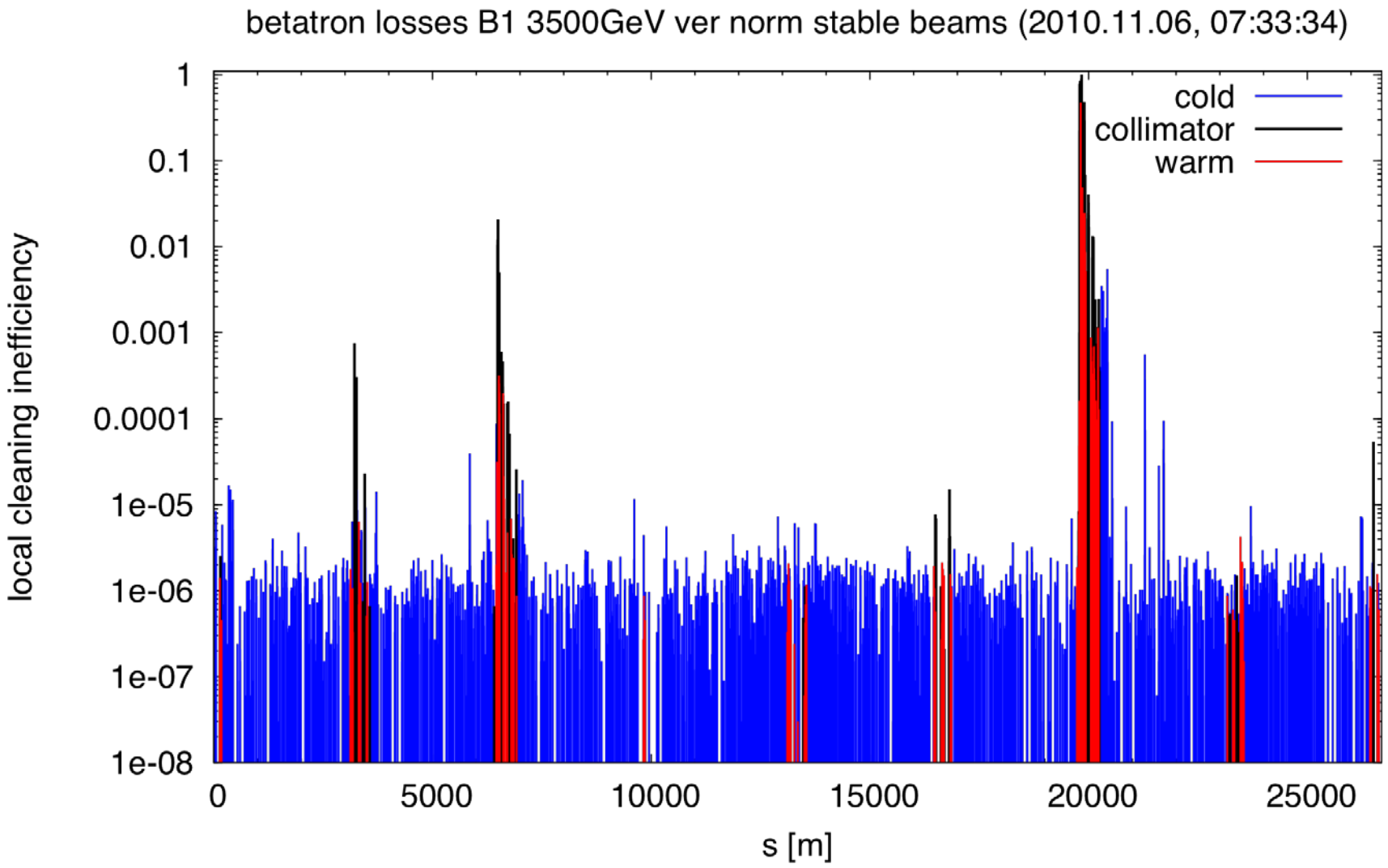
Loss Maps: 3.5 TeV FT before squeeze



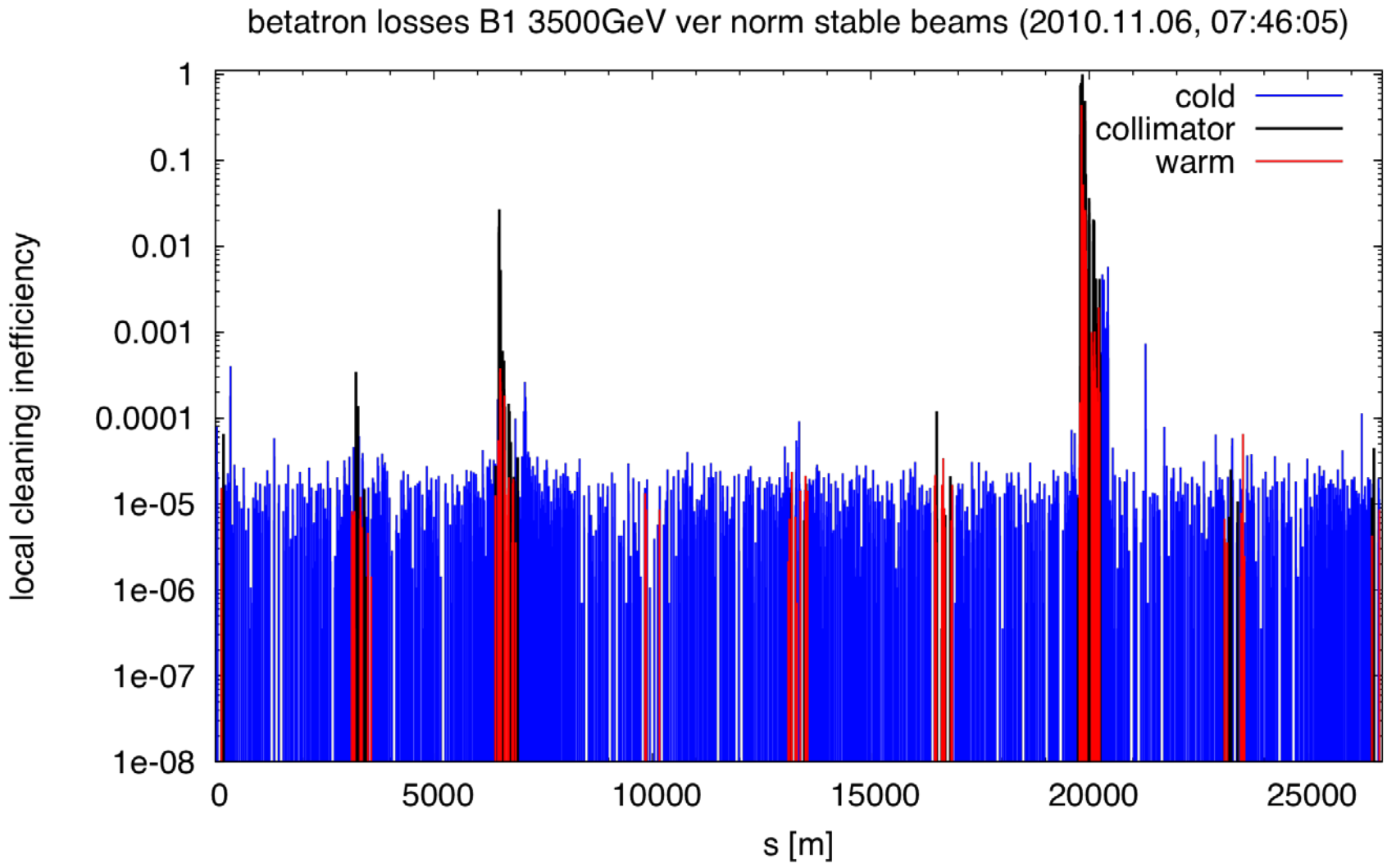
Loss Maps: 3.5 TeV FT before squeeze



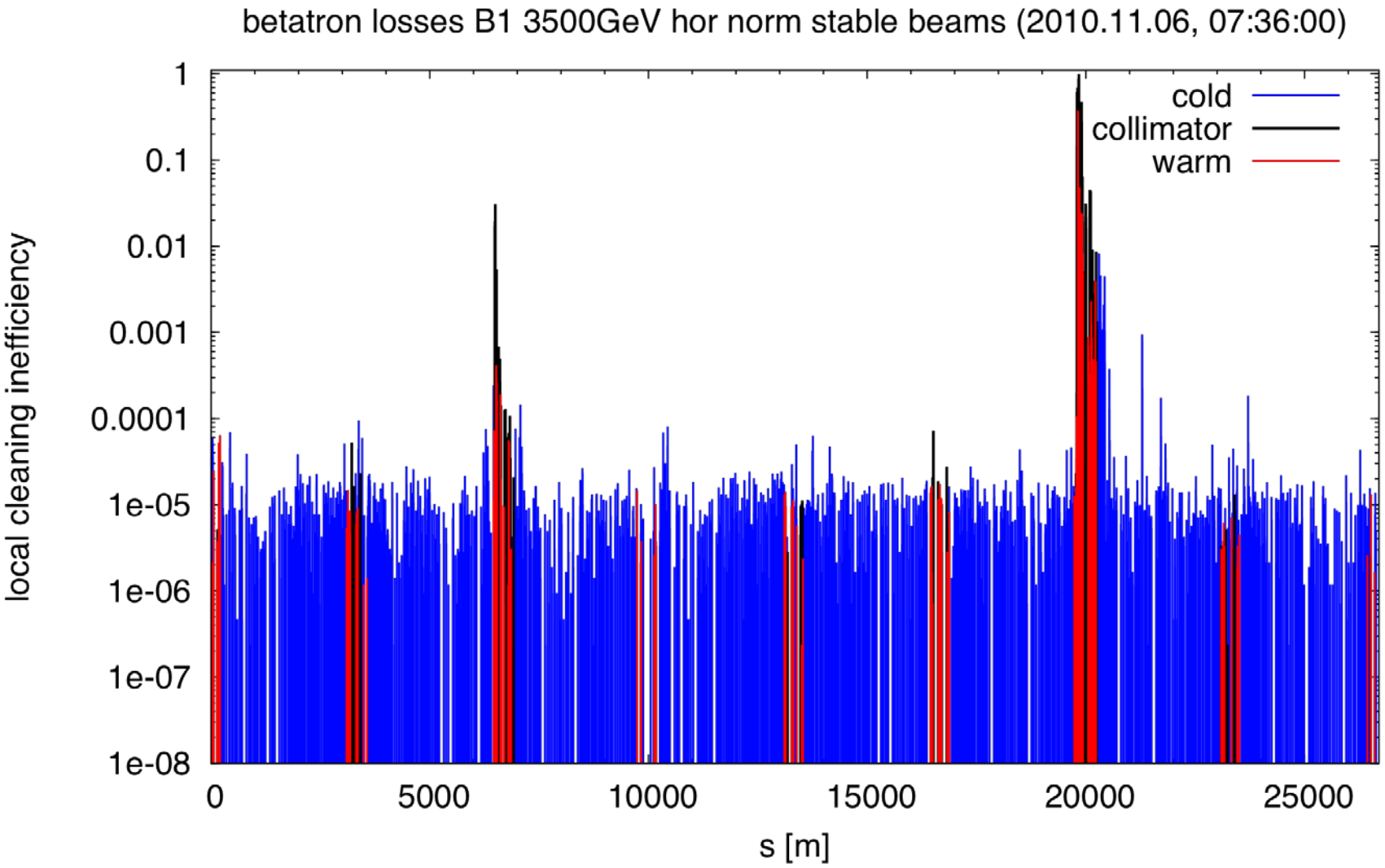
Loss Maps: 3.5 TeV FT after squeeze



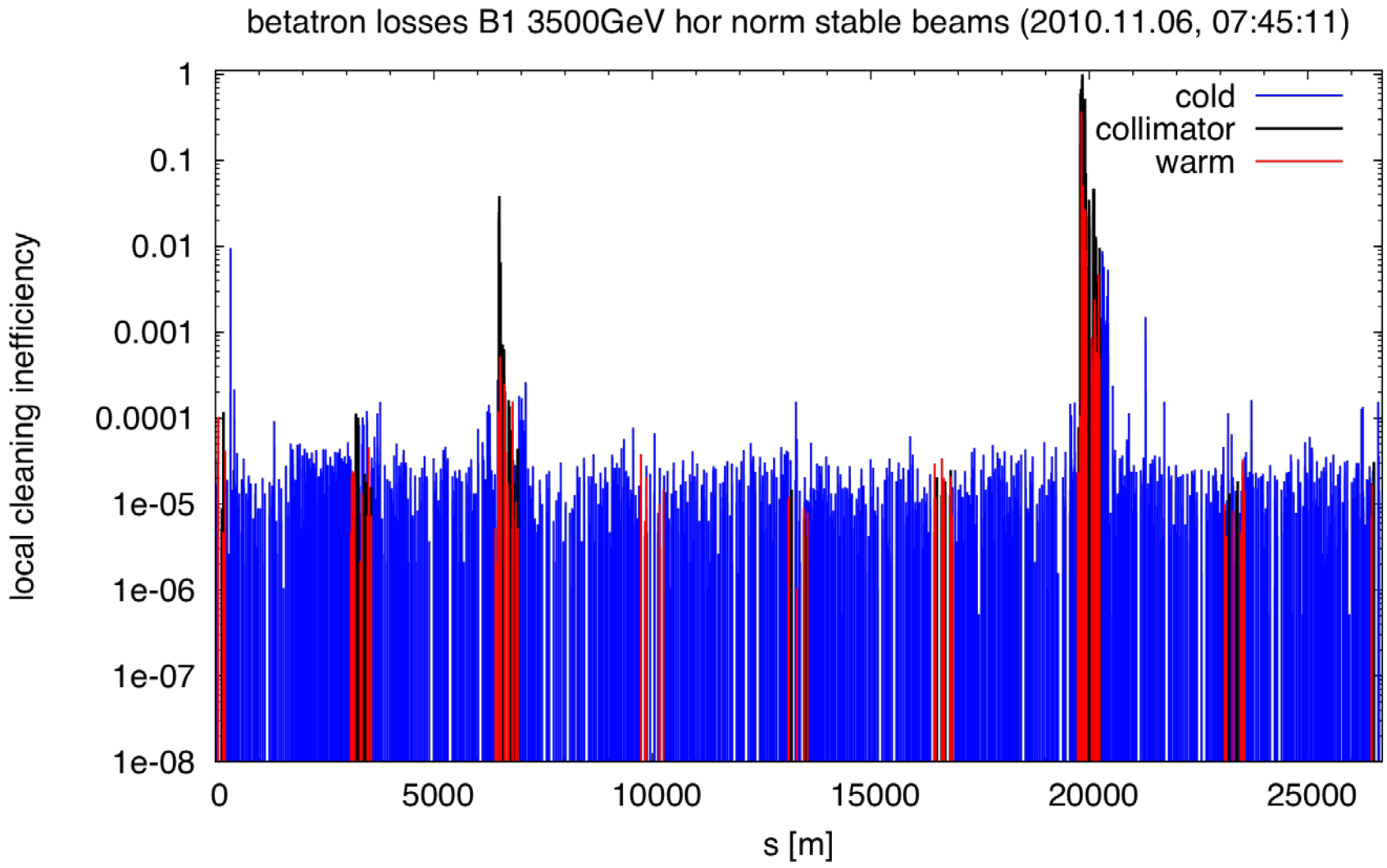
Loss Maps: 3.5 TeV FT after squeeze



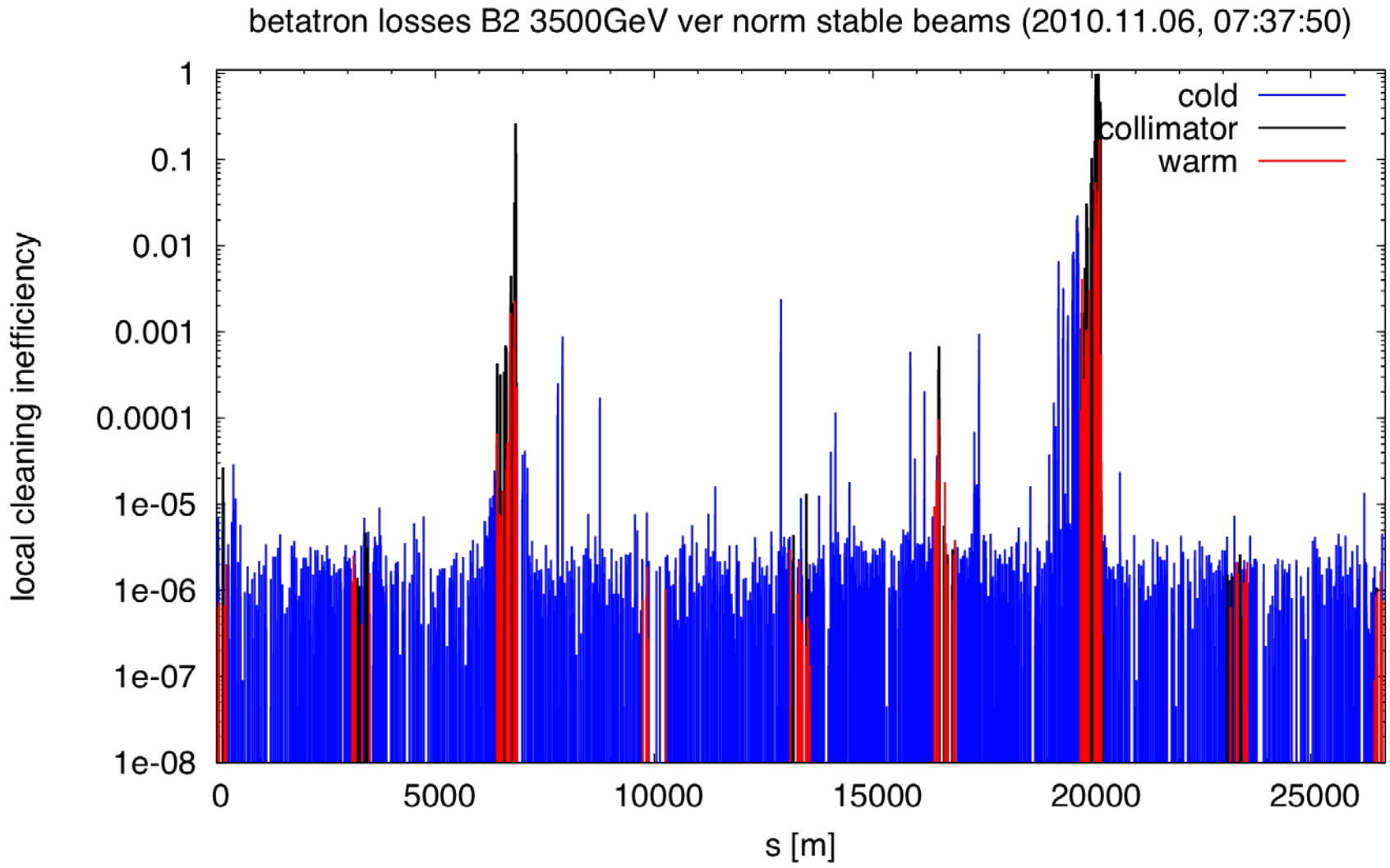
Loss Maps: 3.5 TeV FT after squeeze



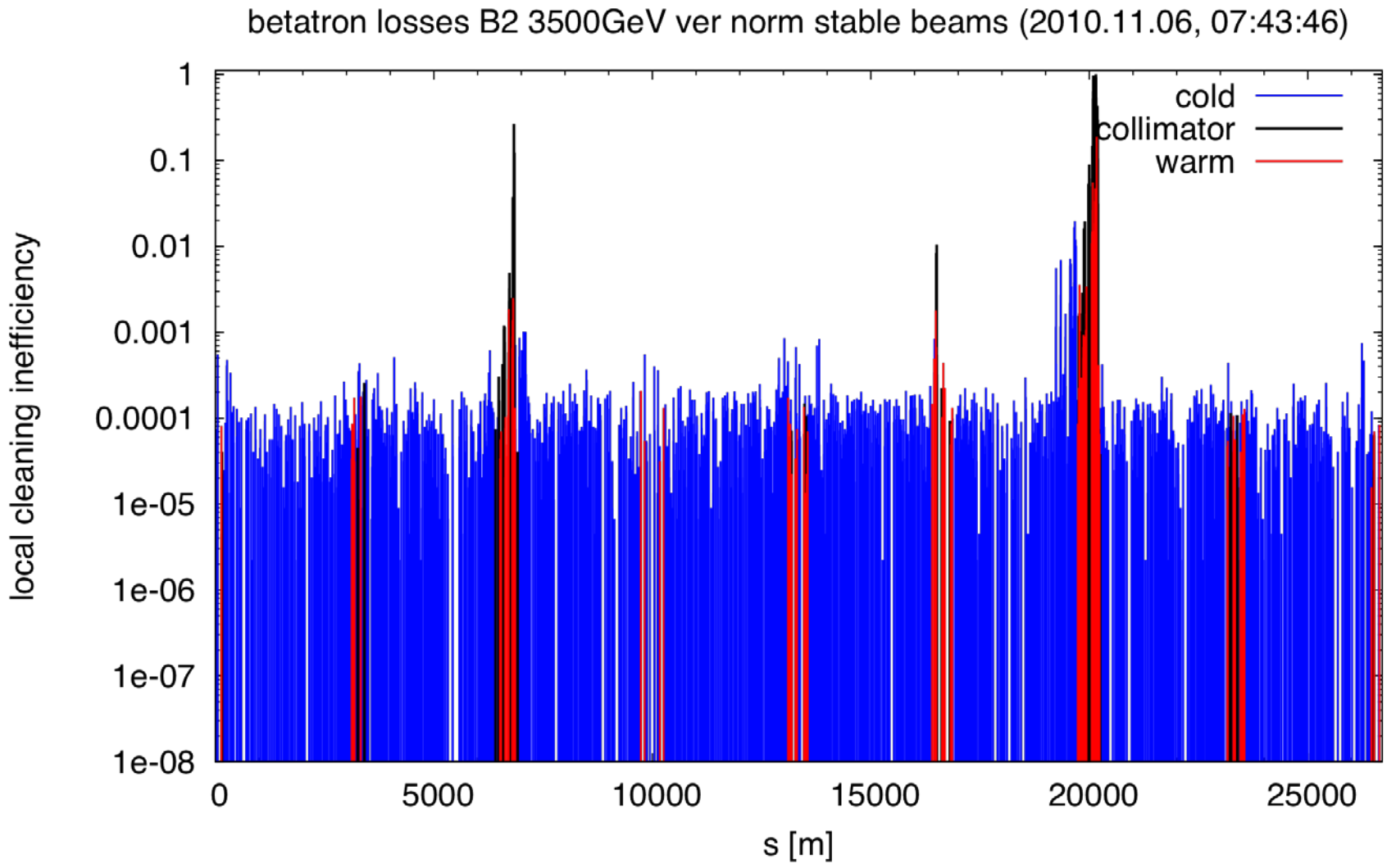
Loss Maps: 3.5 TeV FT after squeeze



Loss Maps: 3.5 TeV FT after squeeze



Loss Maps: 3.5 TeV FT after squeeze



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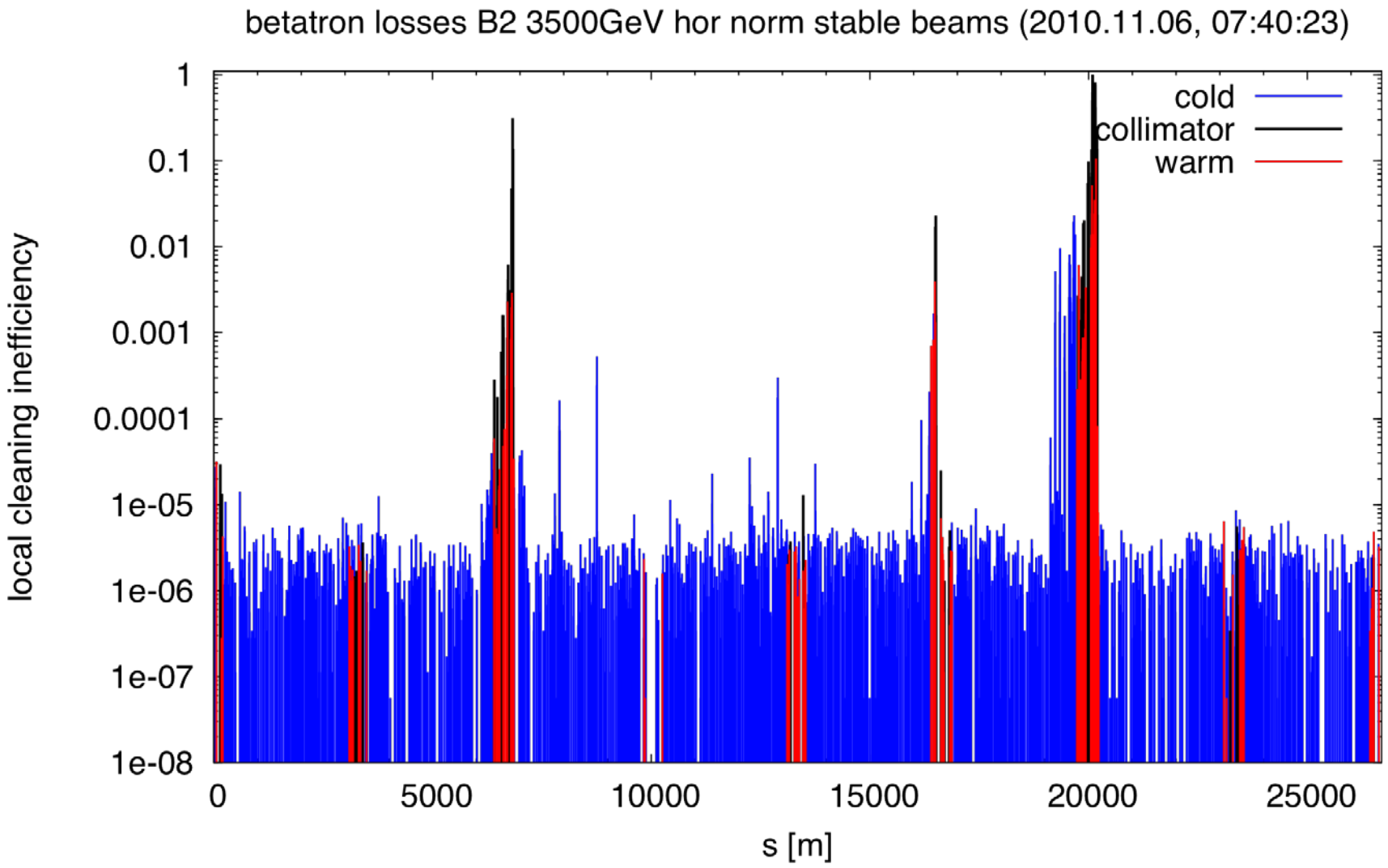

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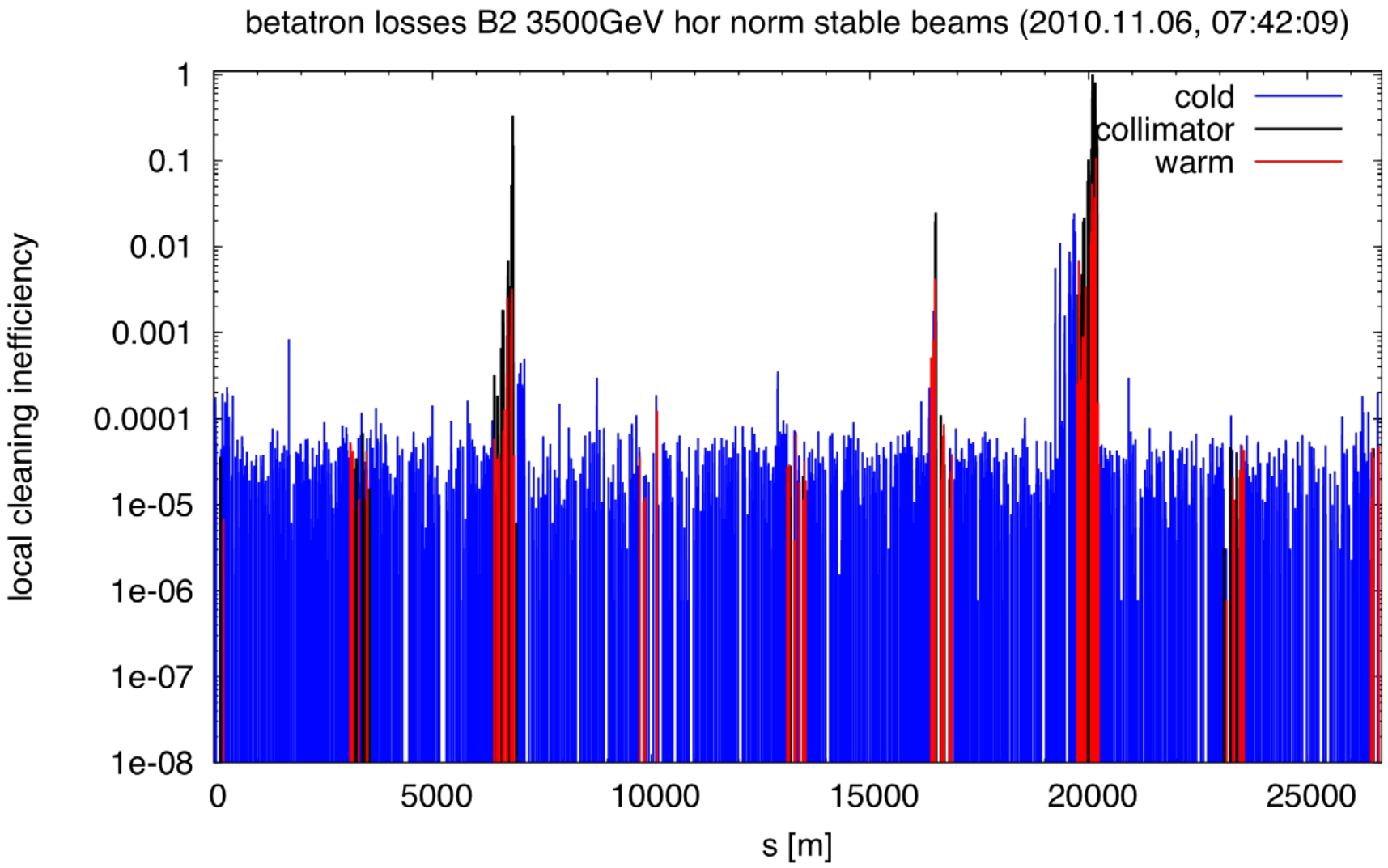
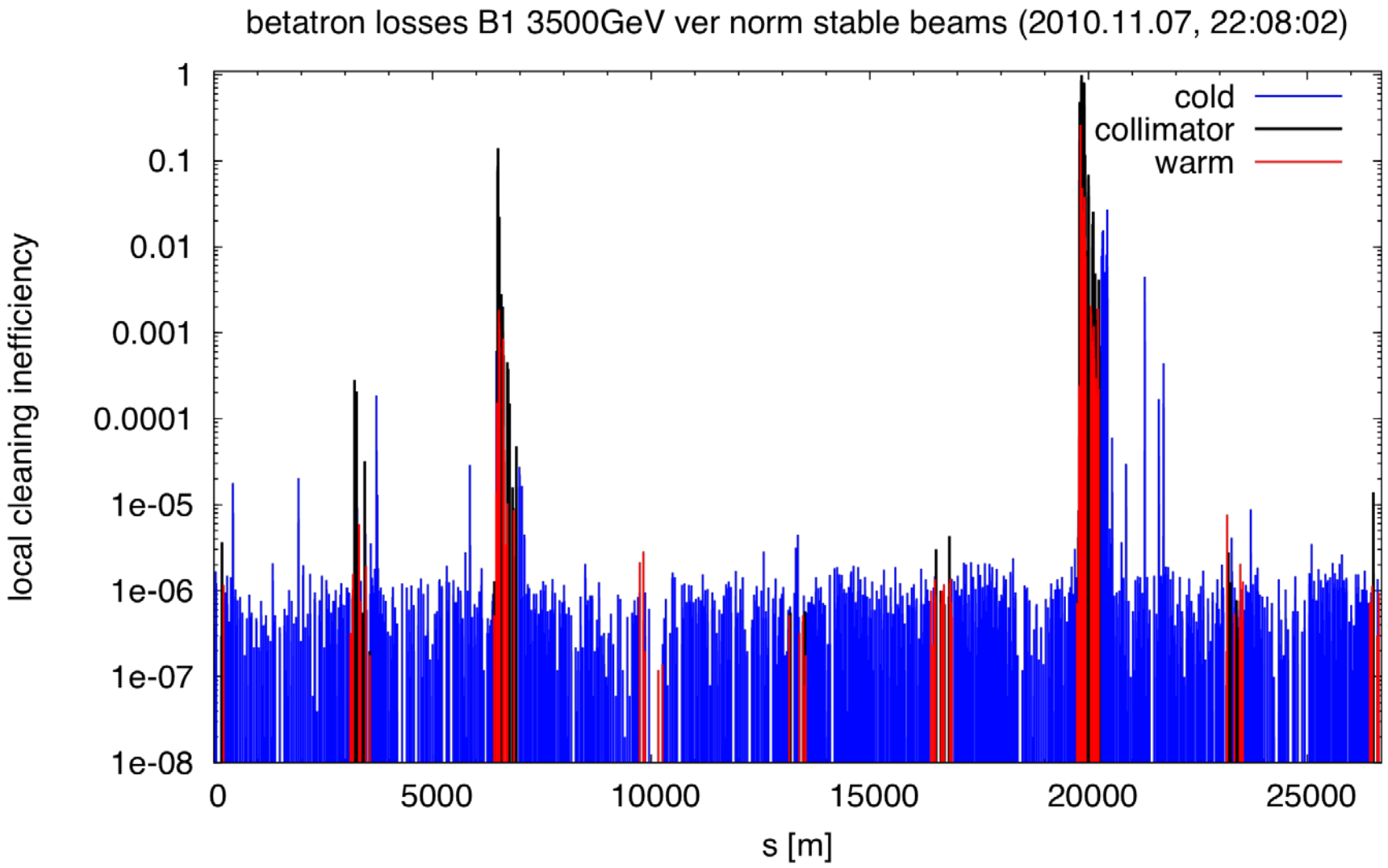


Loss Maps: Physics Conditions



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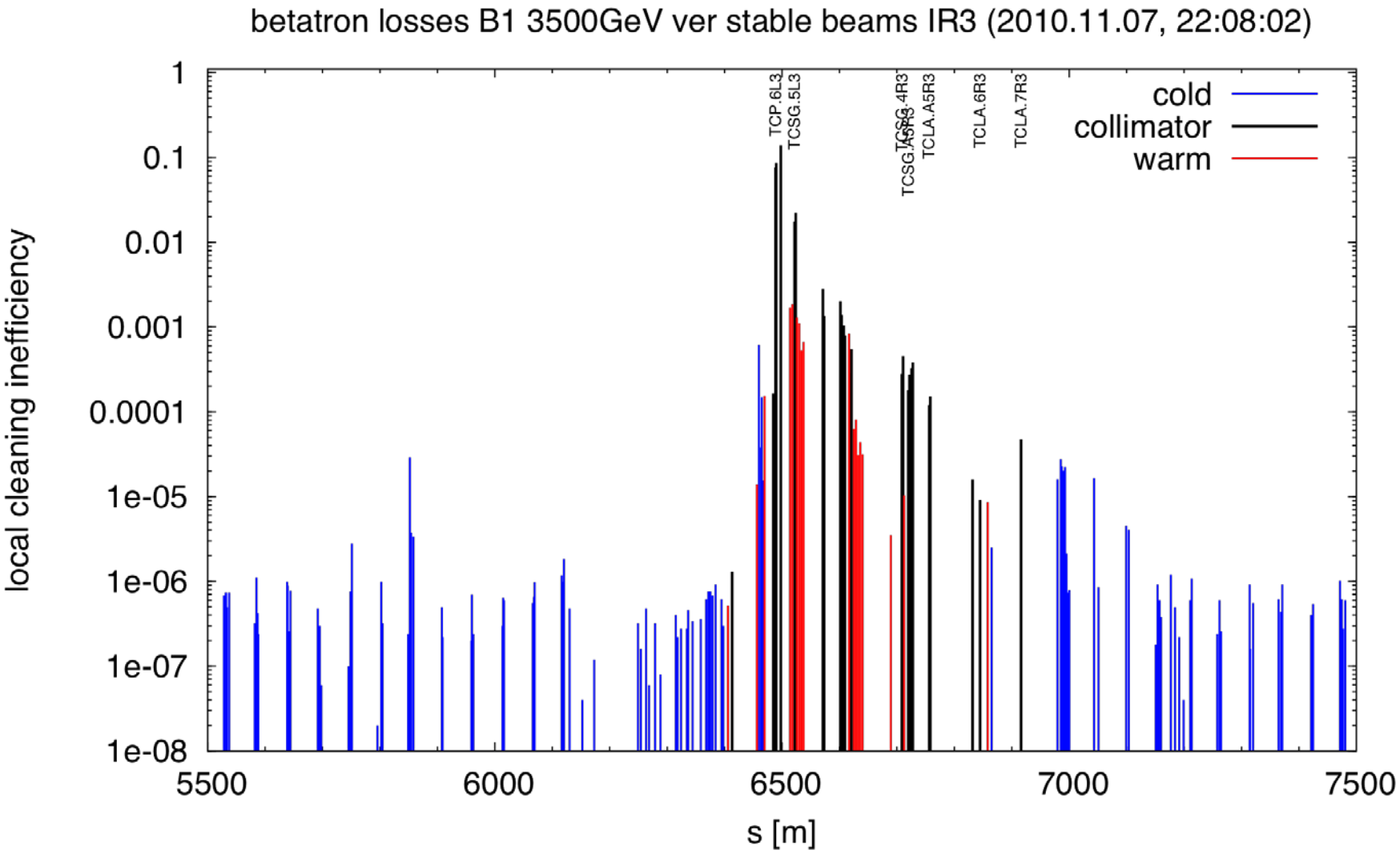

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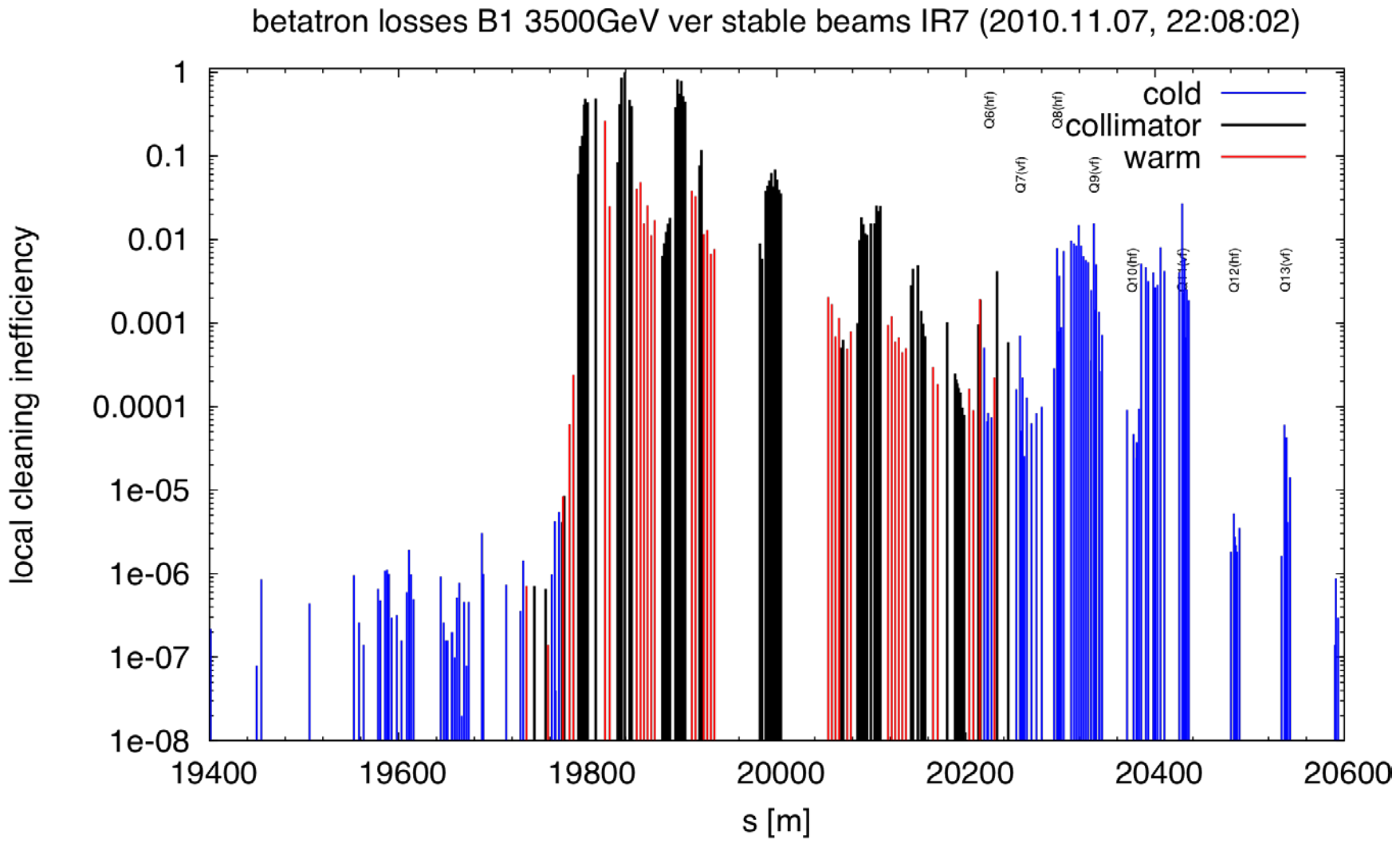

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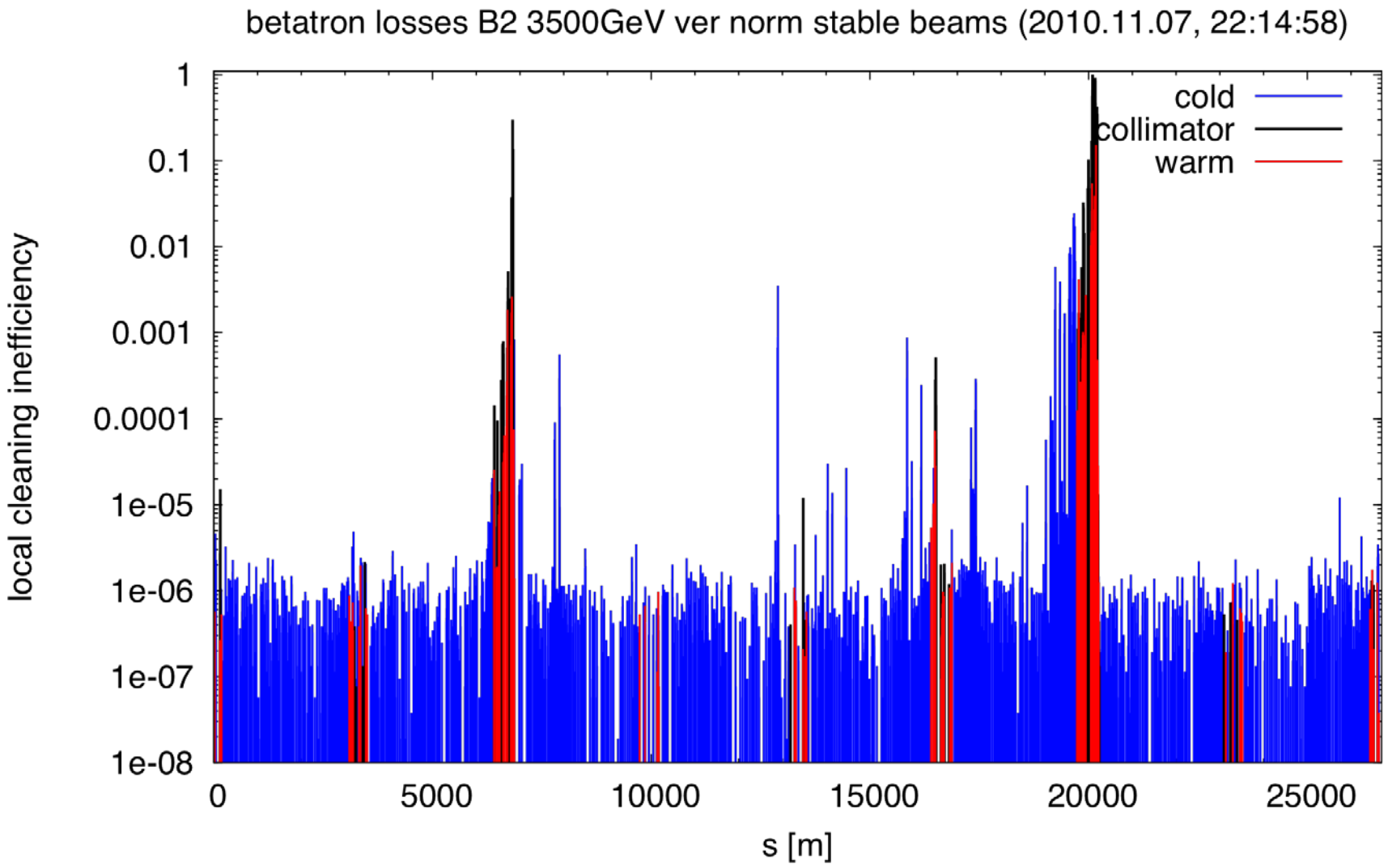

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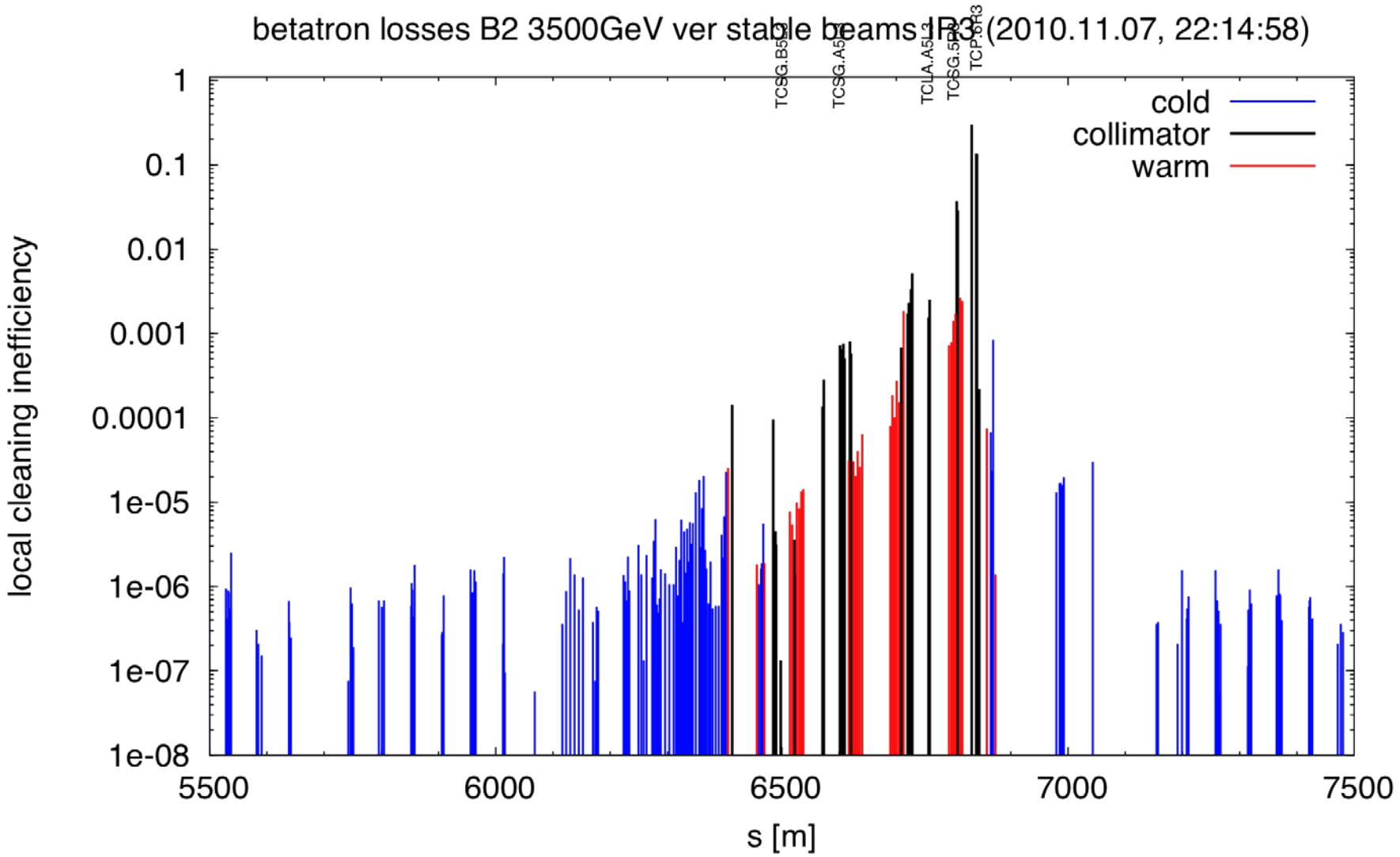

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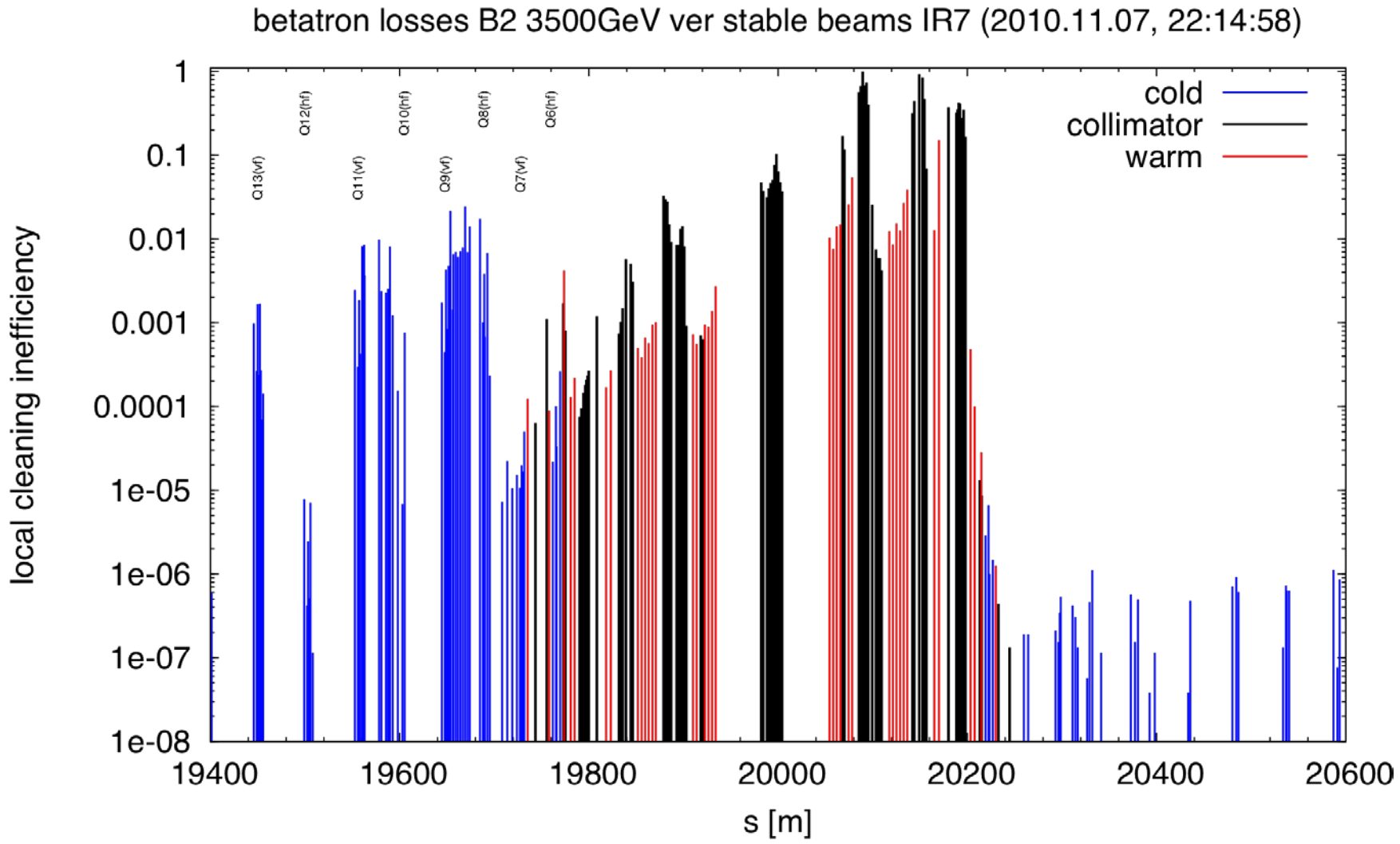

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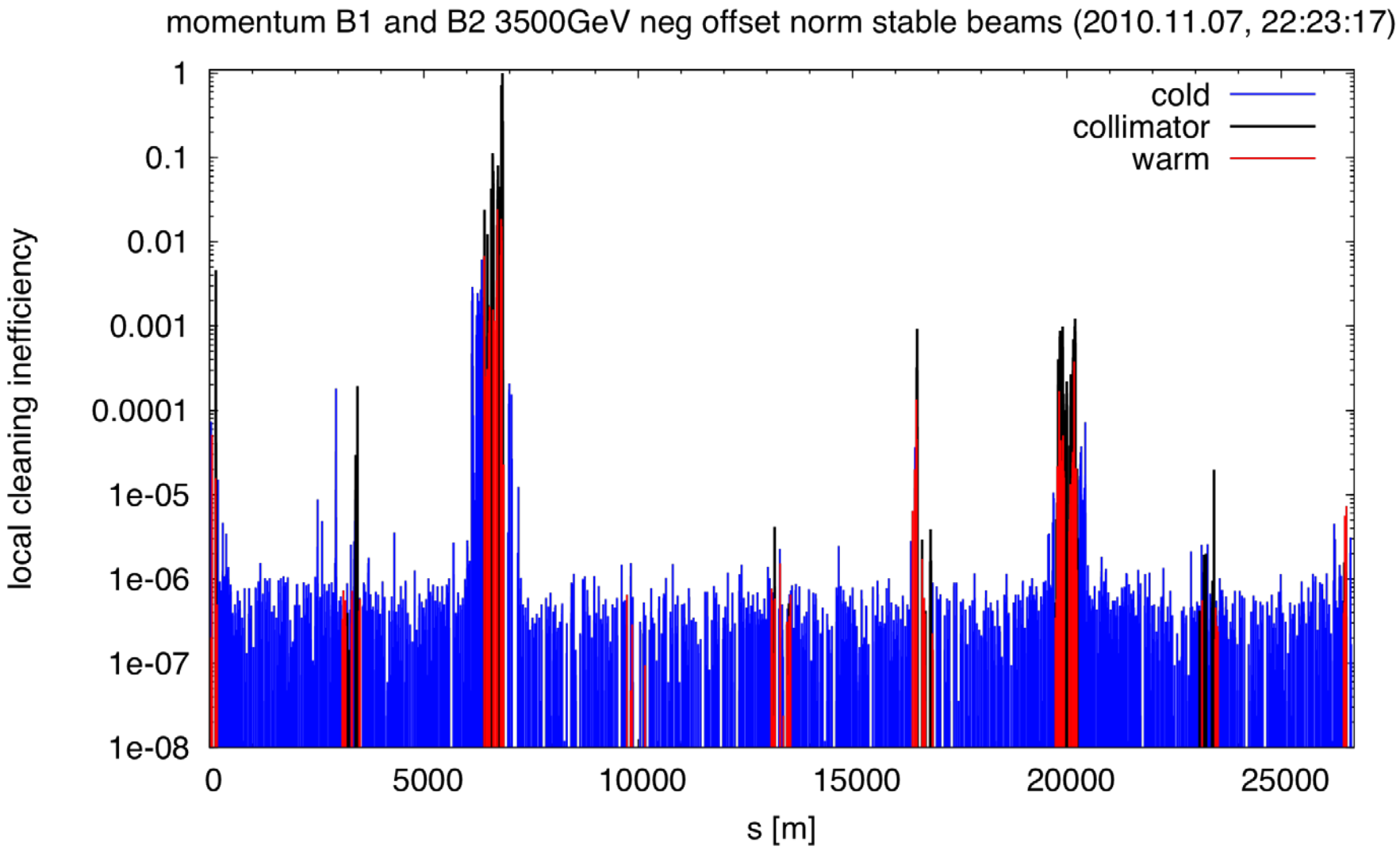
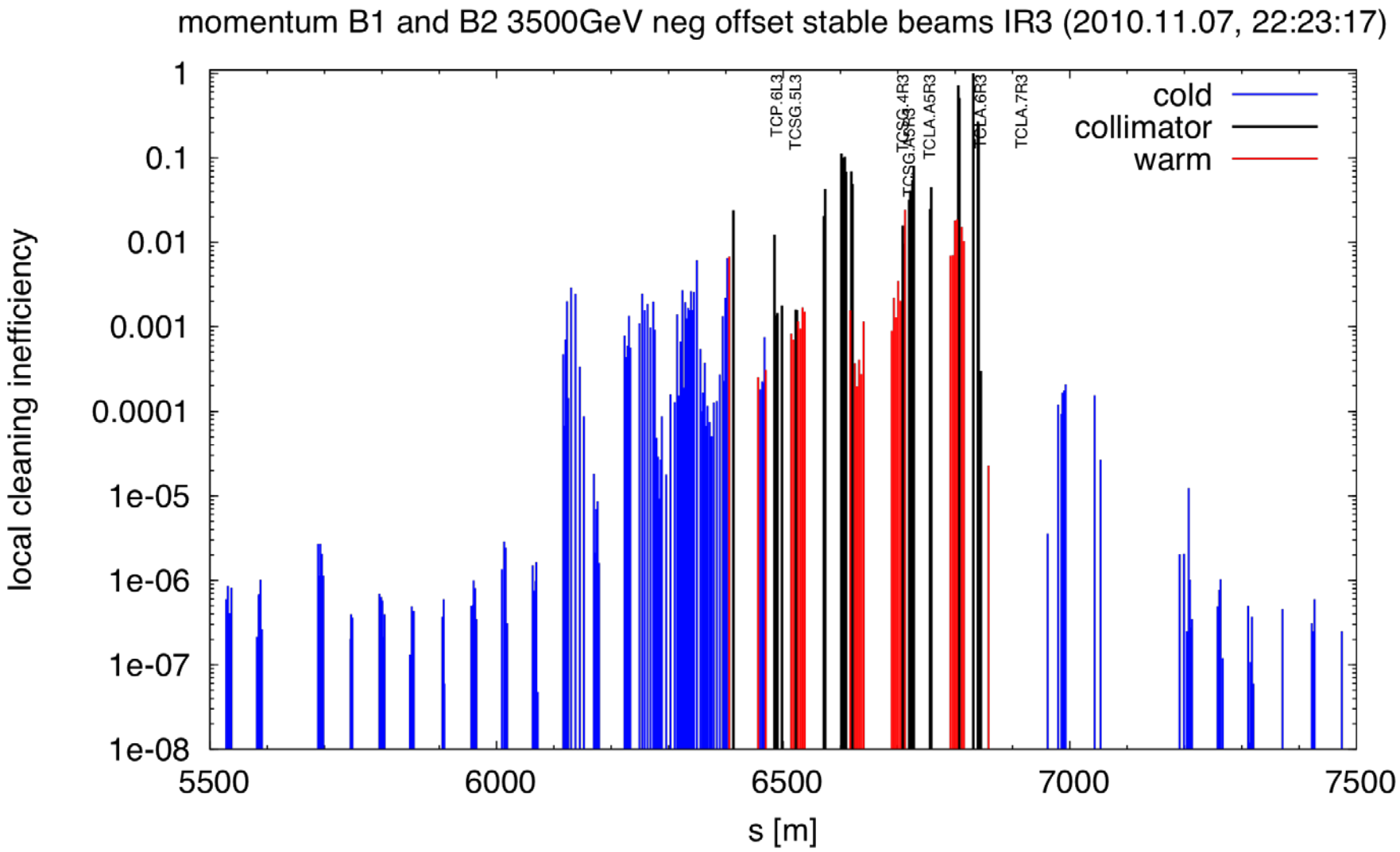
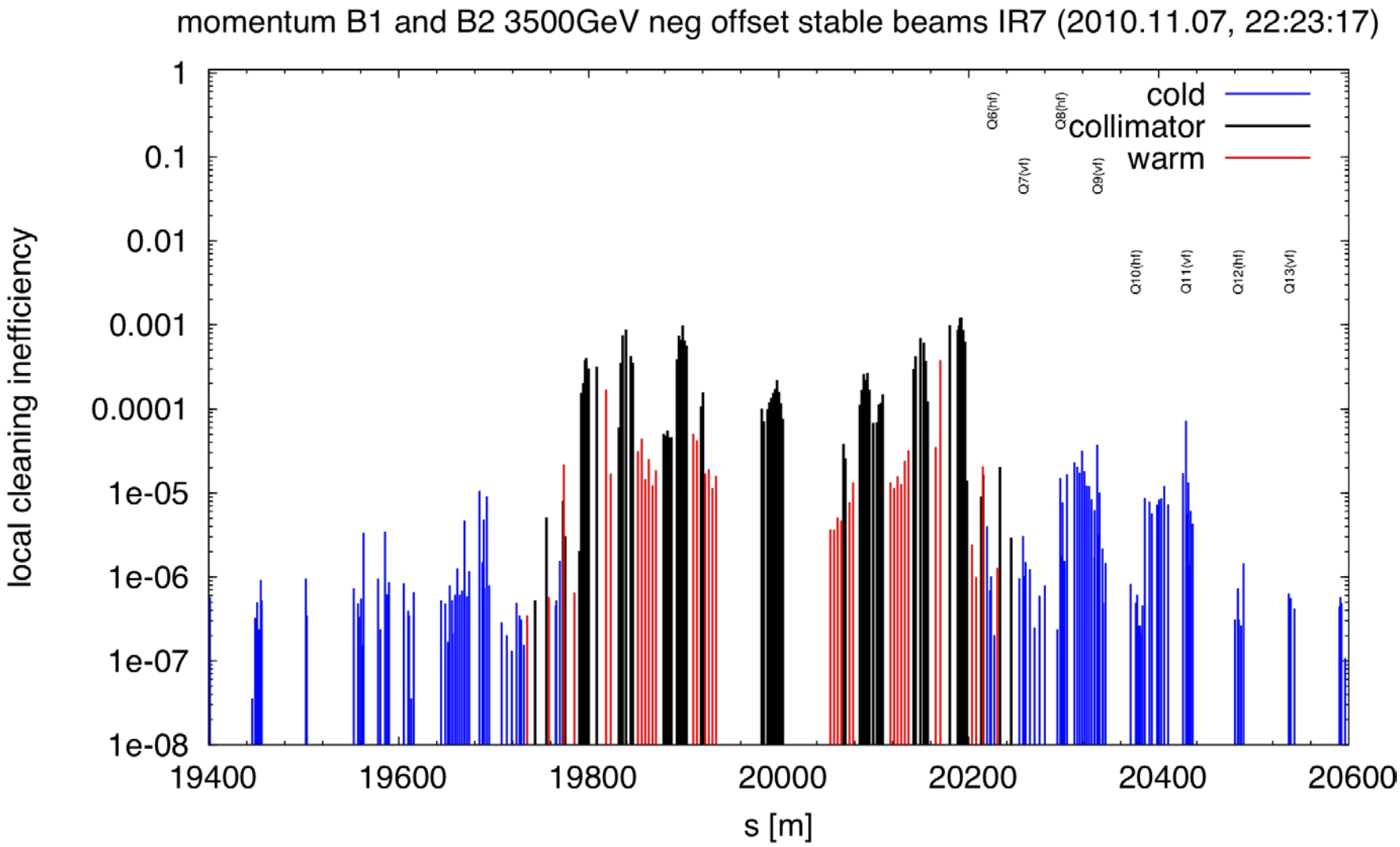


Loss Maps: Physics Conditions



Loss Maps: Physics Conditions



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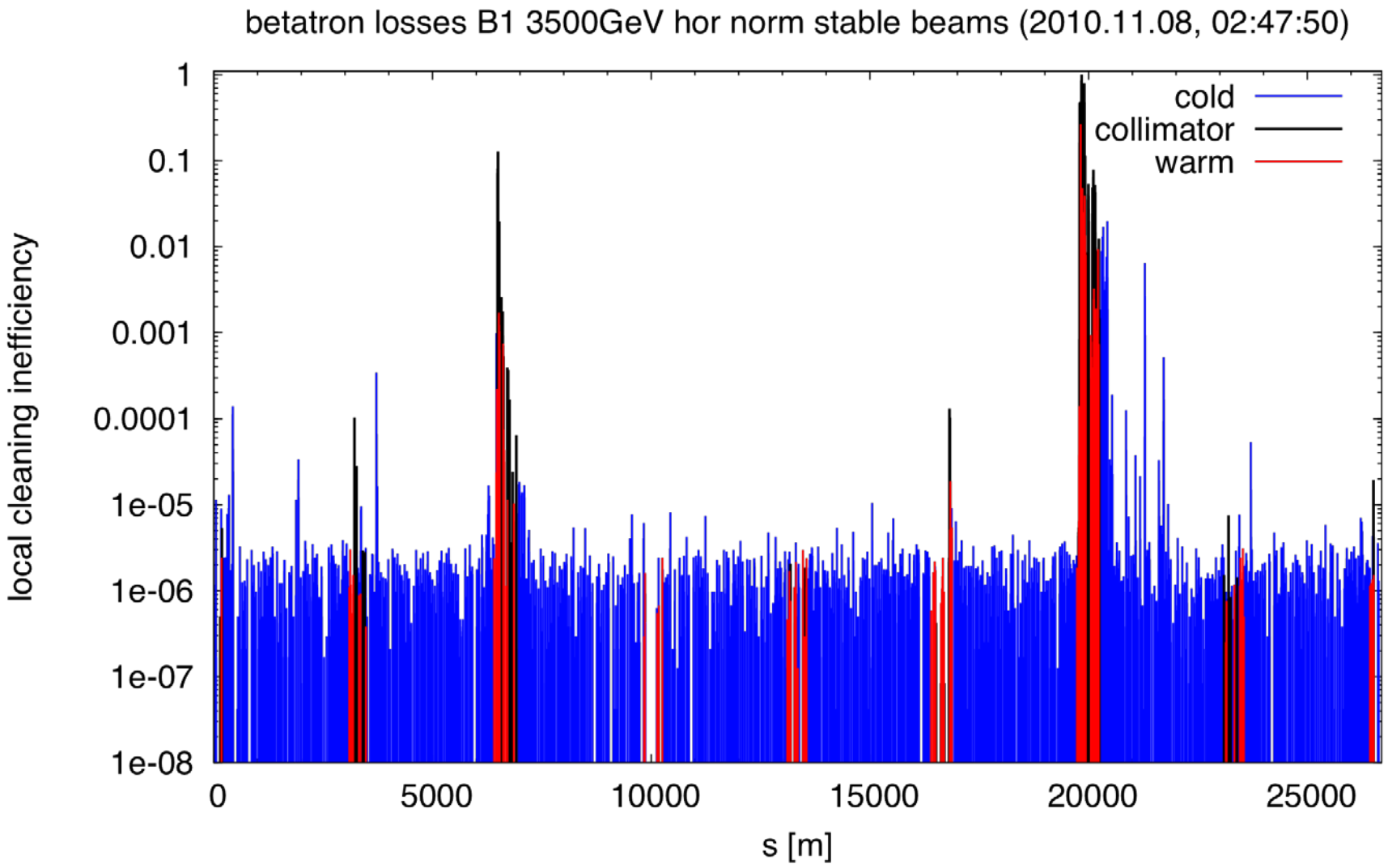

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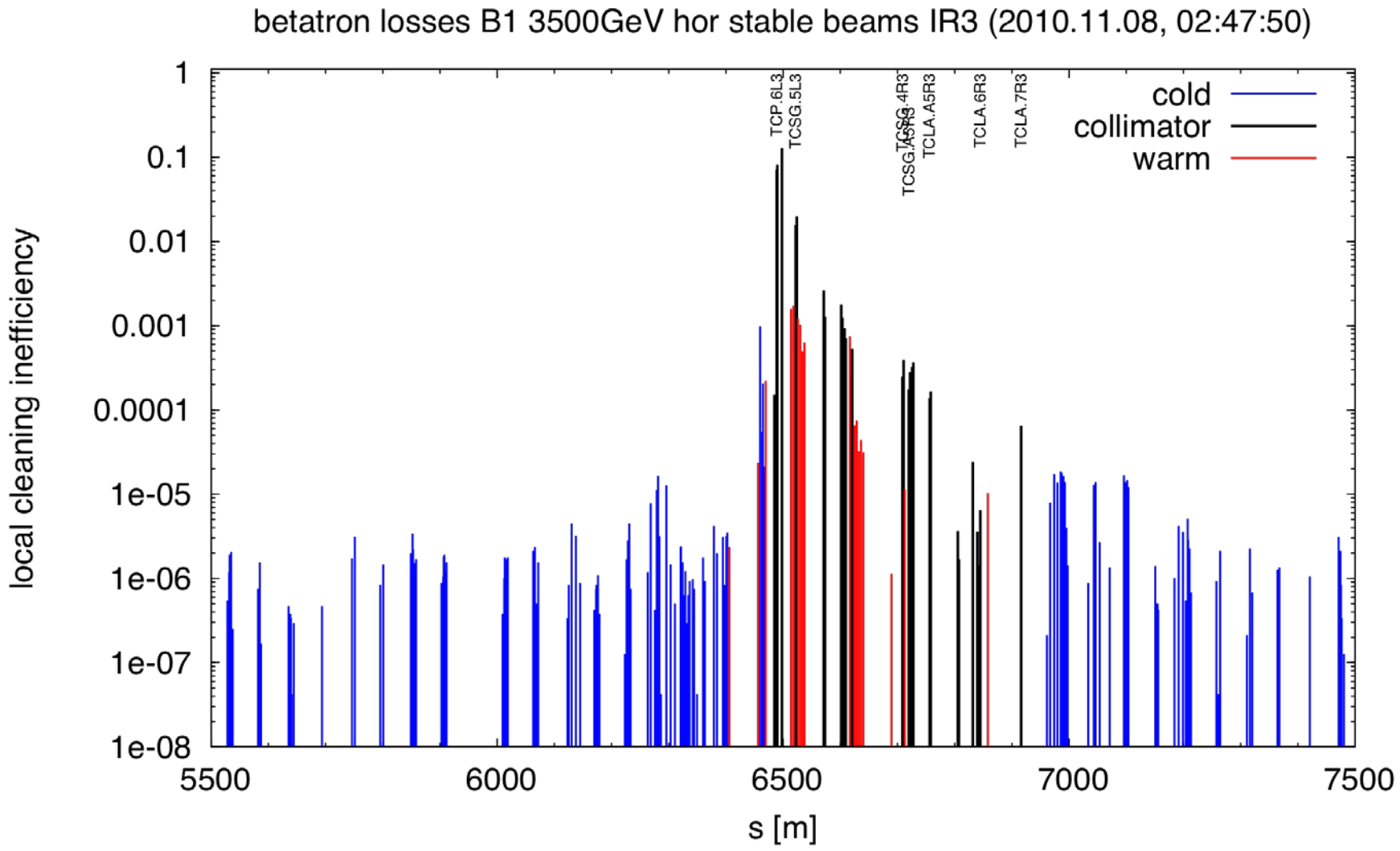
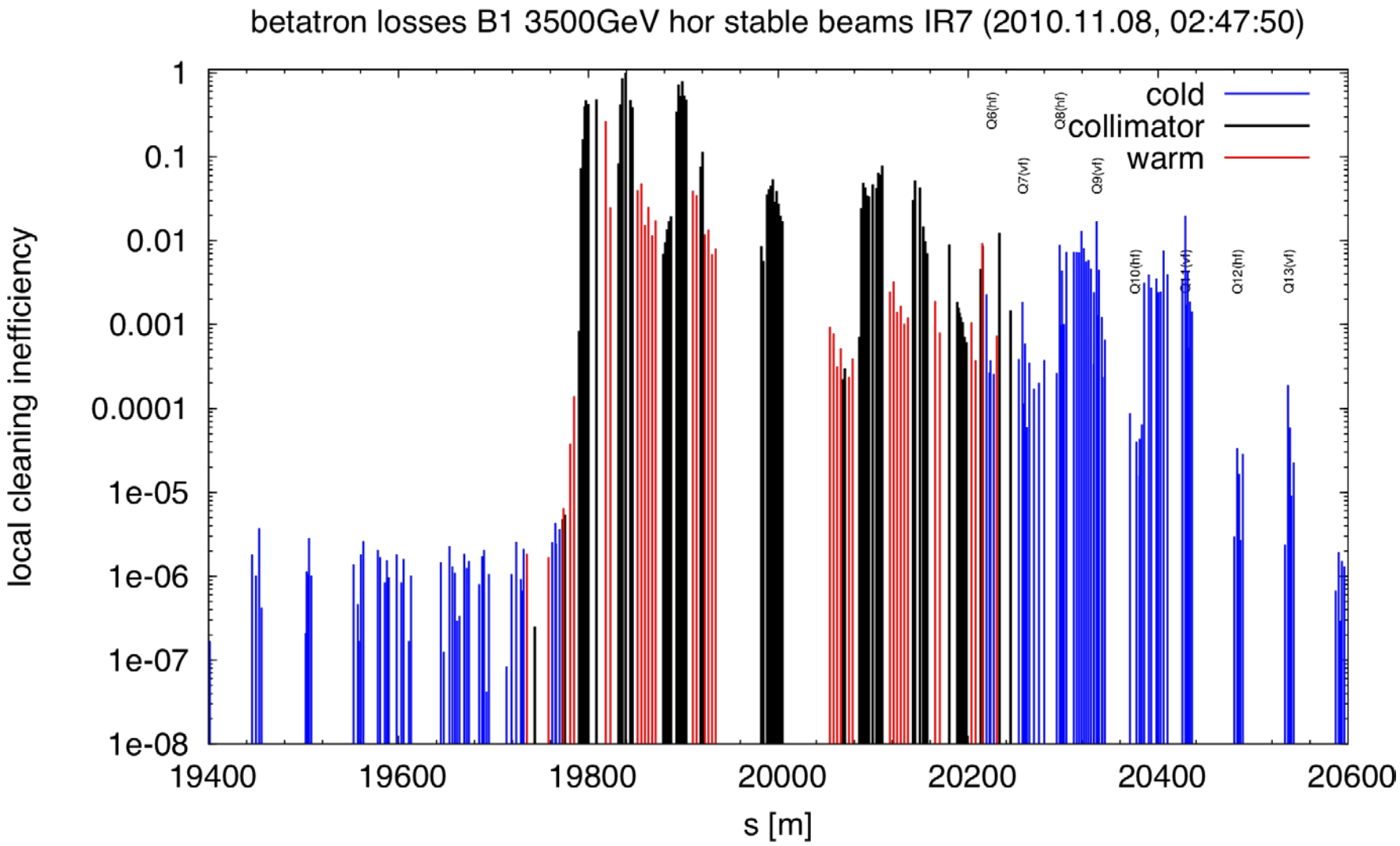


Loss Maps: Physics Conditions



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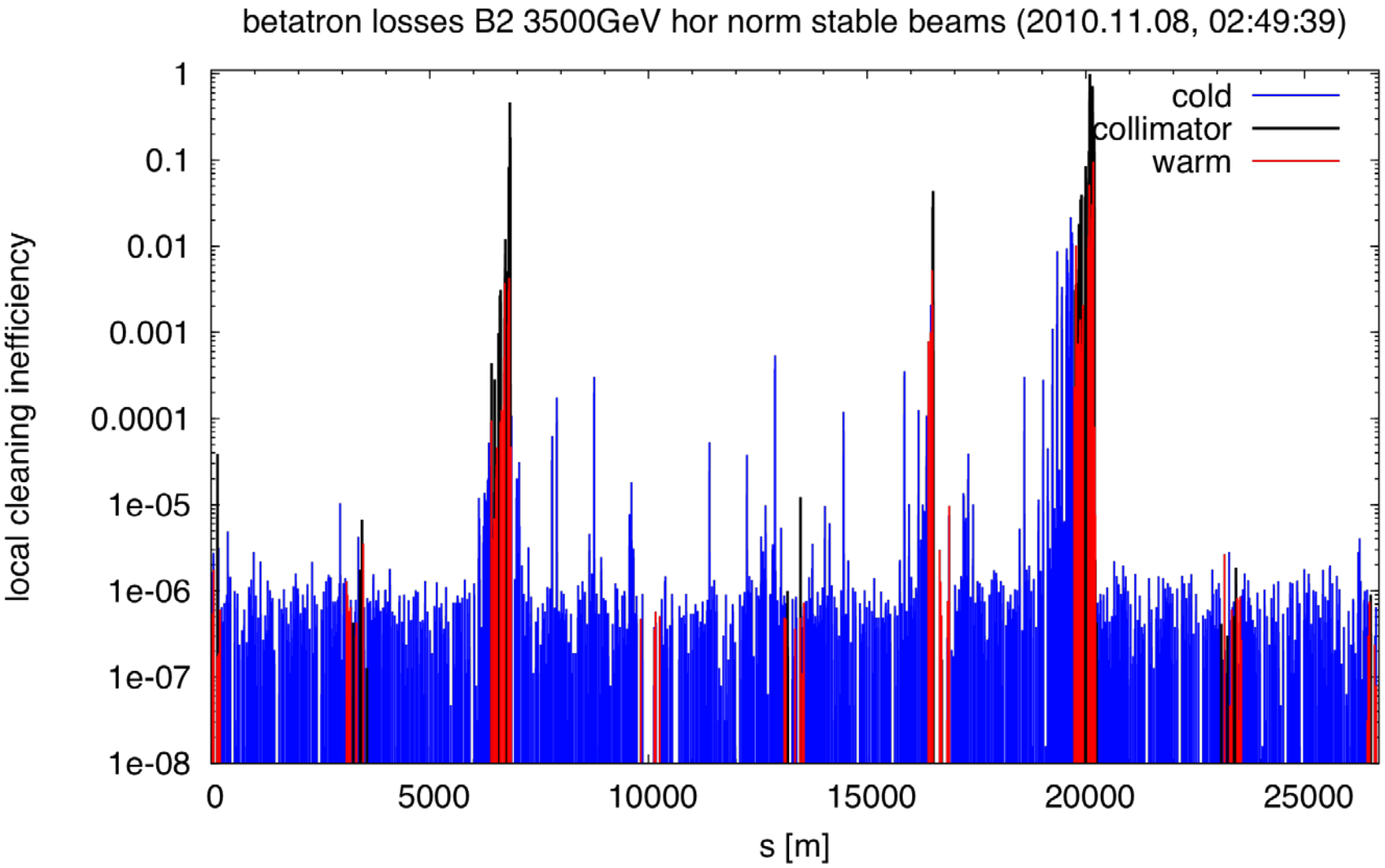

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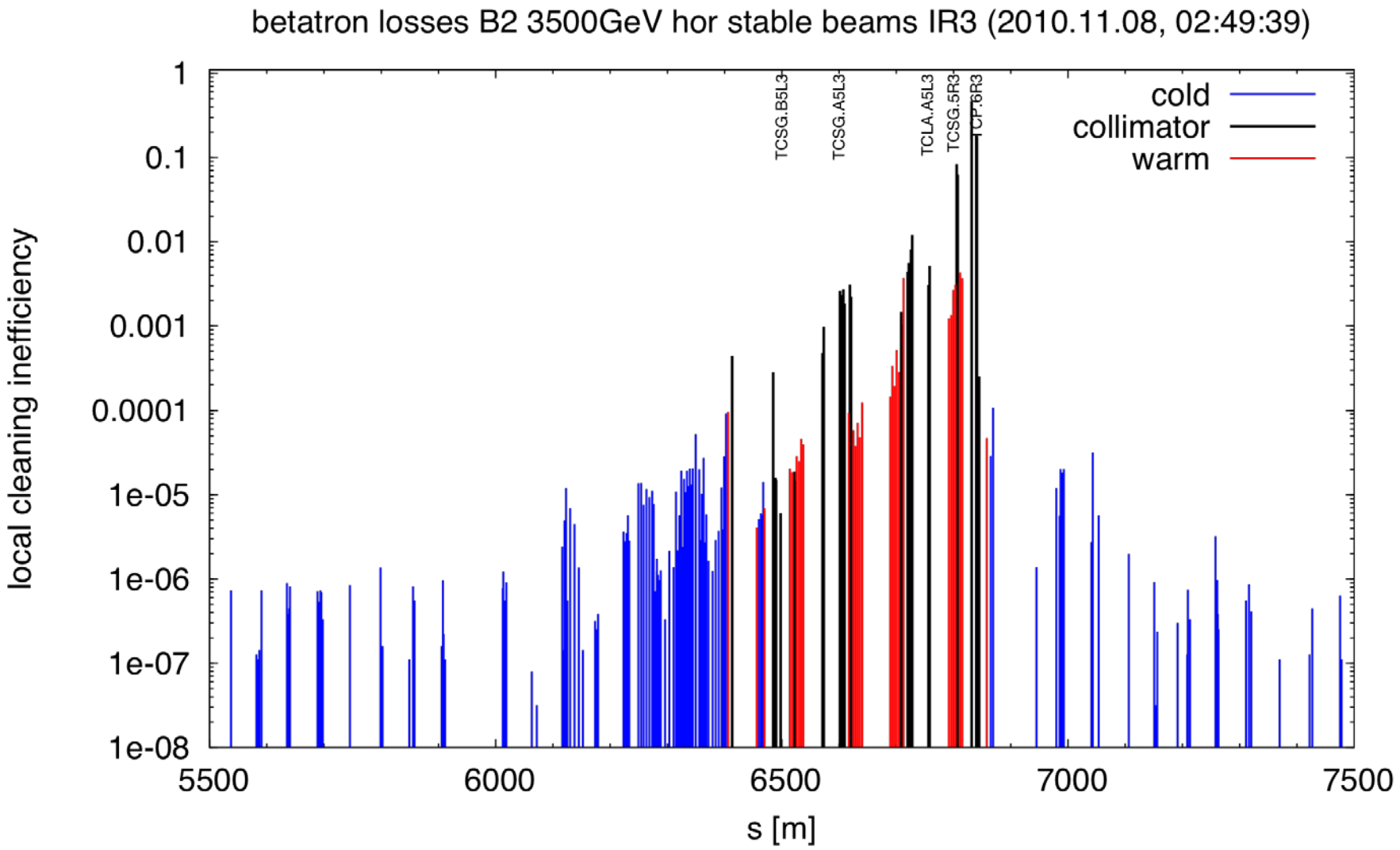

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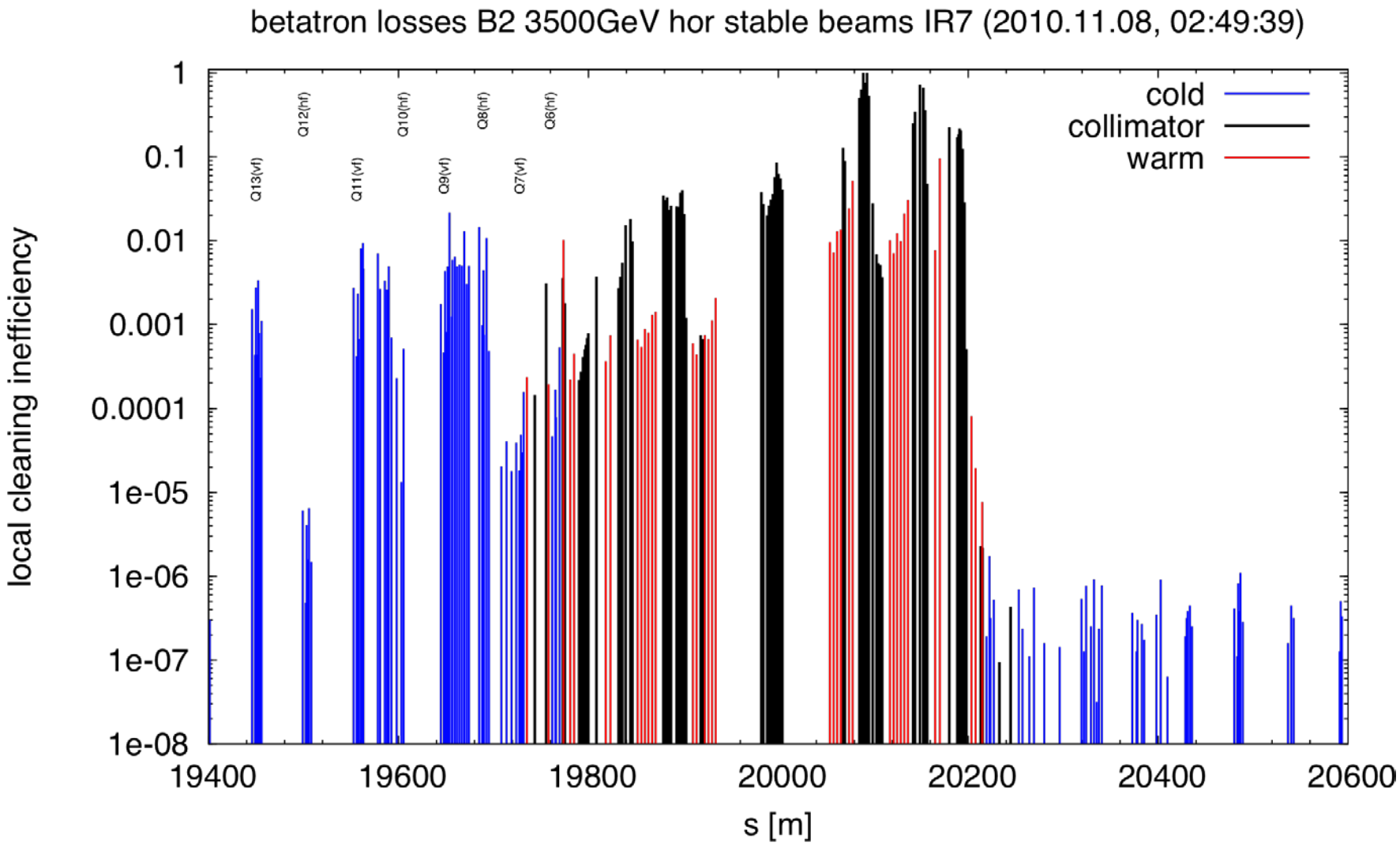

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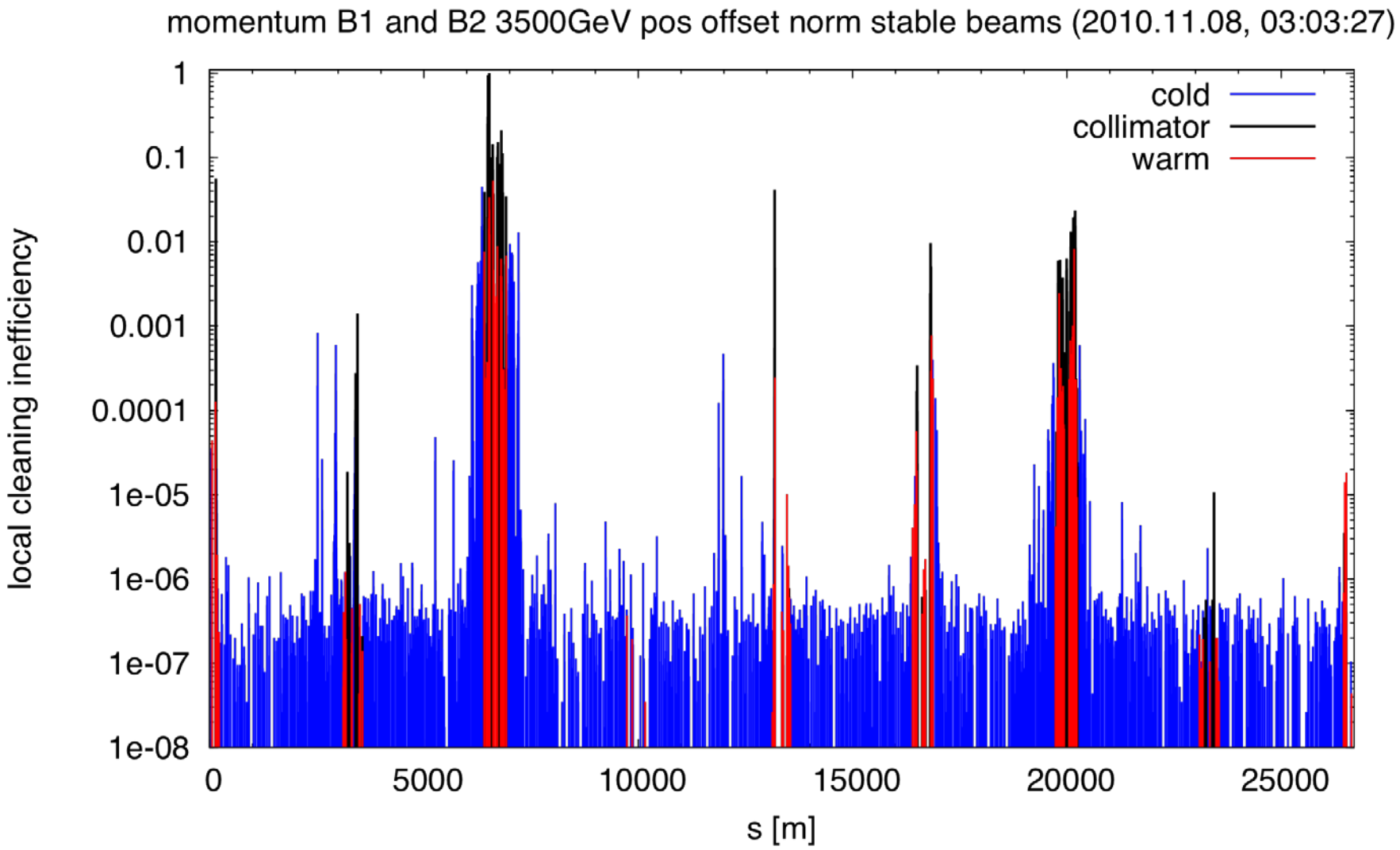
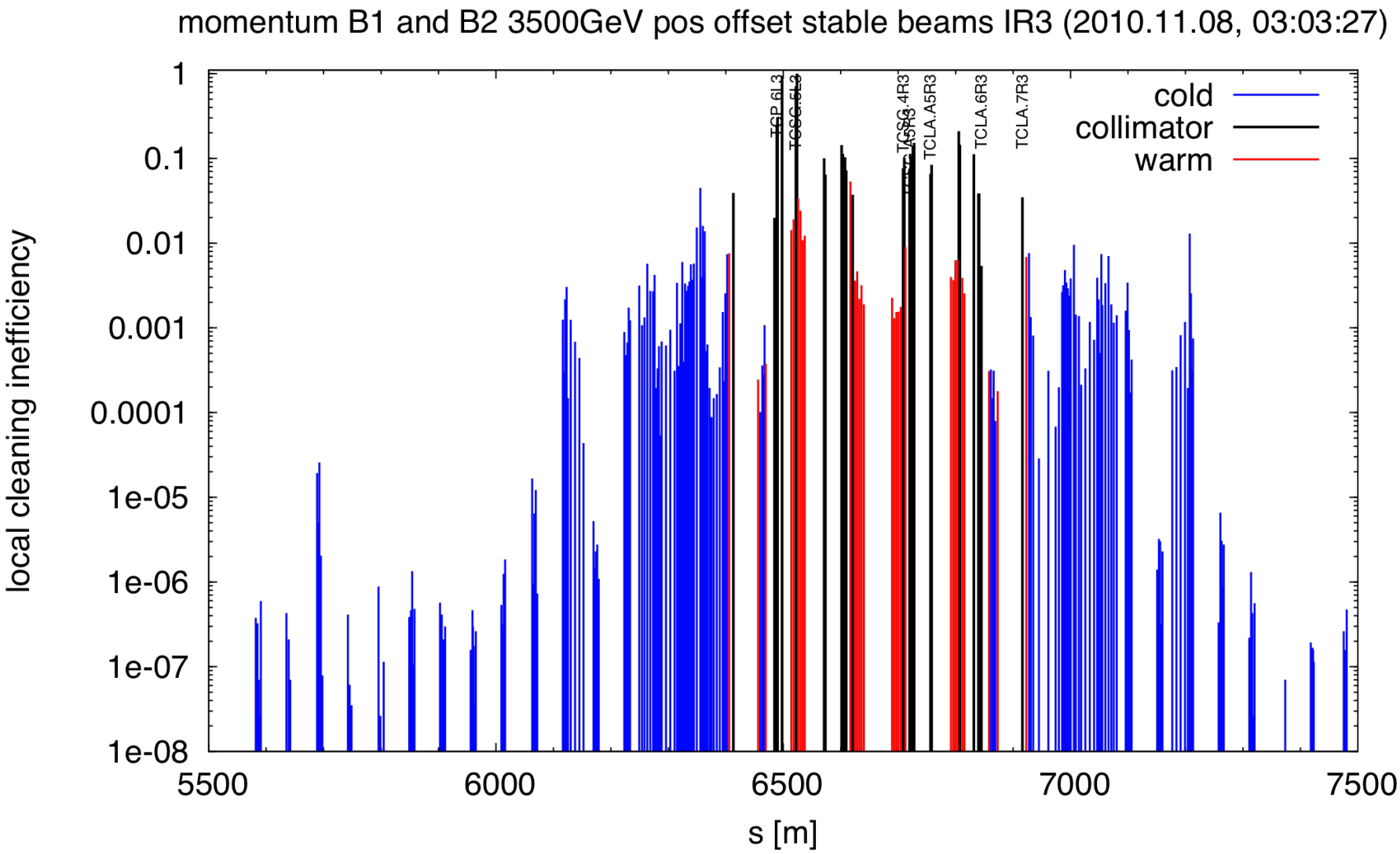
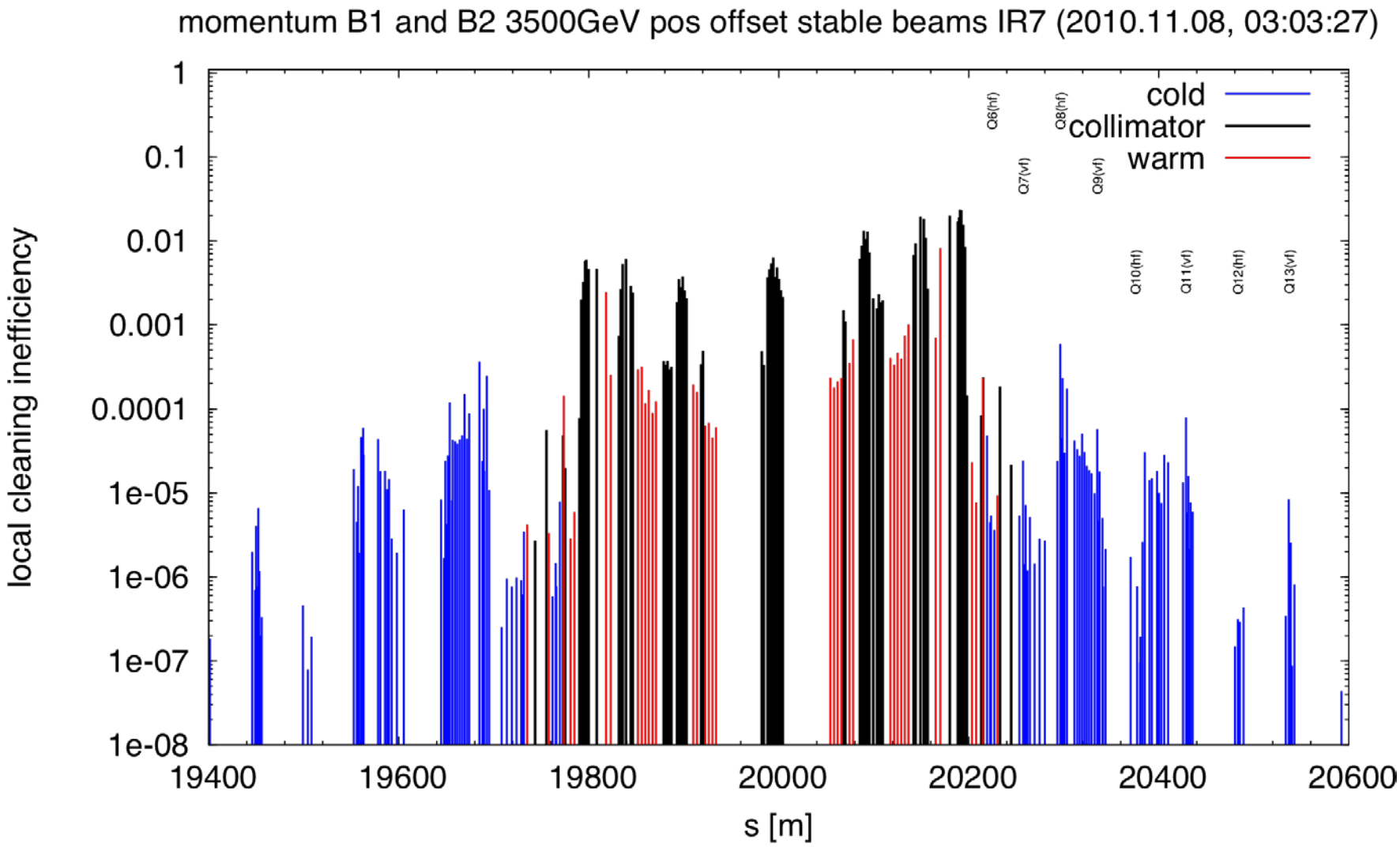


Loss Maps: Physics Conditions



Loss Maps: Physics Conditions