Radiation levels in the regions UJ76/RR73/RR77

Case Study: Three Absorbers per beam A6vC6hE6v → Beam1 & Beam2

> Katerina Tsoulou Alfredo Ferrari, Vasilis Vlachoudis, Mario Santana, Matteo Magistris

Collimation WG Meeting, 19/11/04





Dose in UJ76 (Gy/year)



1MeVeq In UJ76 (cm⁻²/year)



Dose in RR73 (Gy/year)



1MeVeq fluence in RR73 (cm⁻²/year)



Dose in RR77 (Gy/year)



1MeVeq fluence in RR77 (cm⁻²/year)



RR73/77 - Particle Spectra & Mean Particle Flux



~ one order of magnitude less radiation in RRs

	Mean values at both levels (cm ⁻² /y)	
	1MeVeq.	Hadrons >20MeV
UJ76	8.5 E+08	3.8 E+08
RR73/77	1.4 E+09	5.1 E+08



Fluence Attenuation

