

WBS undulator-based e^+ source for prelab phase'

#	Code	Title	Scoping statement	Deliverables	Items
11	1.2.3.1 1.2.3.2 1.2.3.3 1.2.3.4 1.2.3.5 1.2.3.6 1.2.3.7	Undulator e^+ source system design	Design the undulator e^+ source system	Undulator e^+ system lattice UPS system design UPS performance specification Chapter for EDR Cost estimate	125 MeV NC pre-acc 400 MeV NC pre-acc 5GeV SC-linac
12	1.2.4.1 1.2.4.2 1.2.4.3 1.2.4.4 1.2.4.5	WP05: Undulator	System with 125 GeV drive-beam	Simulation realistic fields	masks cryogenics orbit corrections quad. magnets BPMs
13	1.2.5.1 1.2.5.2 1.2.5.3 1.2.5.4 1.2.5.5 1.2.5.6.	WP06: Rotating Target	Target stress calculations Target cooling Magnetic bearings Target module design	summary of all material tests Exp.test of cooling efficiency with target sector Techn. spec. target wheel design electrical design, control system	SF61 and alternatives external partners/industry Target wheel Control system prototype
14	1.2.6.1 1.2.6.2 1.2.6.3 1.2.6.4 1.2.6.5 1.2.6.6	WP07: Magnetic focussing	Design of pulsed solenoid	positron yield calculation optimization of magnetic fields Electrical design Power source Vacuum System Interegrated Design OMD+wheel	PS module design Modulator Vacuum system design Fully assembled wheel