Table 1: Proton Driver Beam Energy and Muon Yield (03/00)

Beam Energy (GeV)	$\pi^+ + \mu^+$	$\pi^- + \mu^-$	Beam Intensity ($\times 10^{13}$)	Beam Power (MW)
6	0.0855	0.0875	6.4	0.92
8	0.1115	0.1008	4.9	0.94
16	0.182	0.153	3	1.15
24	0.236	0.205	2.3	1.32

MARS simulation parameters (N. Mokhov):

- Target: Carbon, L = 80 cm, R = 7.5 mm, α = 50 mrad.
- Capture and decay channel: 20 T, r = 7.5 cm / 1.25 T, r = 30 cm.
- Energy cut of π/μ: 30 MeV $< E_{kinetic} <$ 230 MeV.
- Yield is calculated at 9 m from the target.