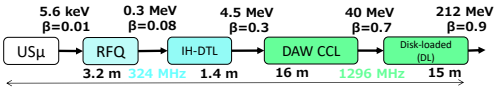
Overview ~cont'd

Muon linac design



~40m in total

- Basic design for all structures was finished.
  - M. Otani et al., Phys. Rev. AB, 19, 040101, 2016.
  - Y. Kondo et al., J. Phys.: Conf. Ser. 874 012054 (2017) [link]
- Next goal is demonstration of muon acceleration.

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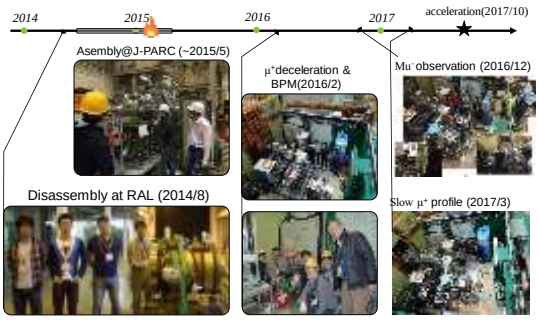
Thus far



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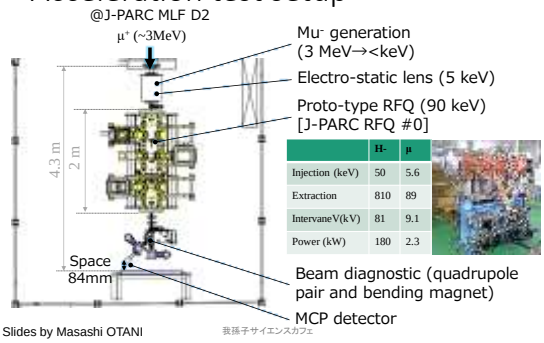
Acceleration test setup

@J-PARC MLF D2



	H-	μ
Injection (keV)	50	5.6
Extraction	810	89
IntervaneV(kV)	81	9.1
Power (kW)	180	2.3

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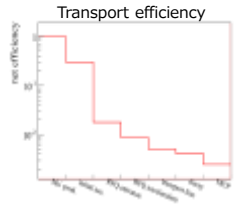
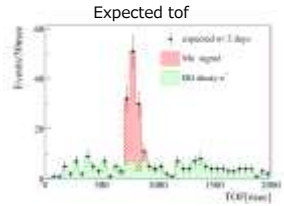
Simulation results

Transport efficiency



Expected tof



Sufficient events for demonstration
(~100 events / 2days)

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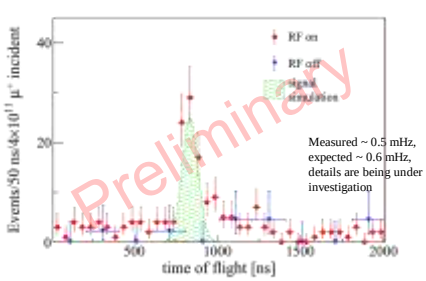
Result with Mu-



Succeeded to accelerate muon!

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