

Chicane simulation update

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Front end phone meeting

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Latest update

- Working on integration of the chicane with the rest of the channel
- Alexey is back from USPAS and actively helping me with the process: we have the full front end in G4beamline now, still need to fix some discrepancies:
 - ACCEL element (model 10): first cell of the buncher suggests a 24 m length, all the others have the same parameter set to 21 m.
 - We used non-zero thickness walls in RF while keeping the overall length the same as in ICOOL, could be the source of discrepancy.
 - There is no equivalent to model 10 in G4beamline, => RF parameters are taken from the ICOOL RF diagnostic file, => not the best way for the optimization down the road. Looking for a solution.
- Preliminary run with 1000 particles:

	ICOOL	G4beamline
Before buncher	488	541
After buncher	462	407
After rotator	456	356