

TSW for T-1037: FLYSUB-Consortium

week of the 3-week beam request. Once these issues are set the experiment can start with exposing the detectors to the beam.

It is planned to start the tests with conditions that all detector tests will have in common. A general plan can be found in Table 2.

**Table 2:** General run plan. The run plan starts with the first day of requesting particles traversing the detectors.

Day	Particle species	Energy	Particle count <sup>1</sup>	Spot size (cm <sup>2</sup> )
1-3	Pion	> 20 GeV	1kHz	< 1
4-6	Pion	> 4 GeV incrementing in  1.) 2 GeV steps up to 10 GeV (4 sets)  2.) 5 GeV steps up to 35 GeV (5 sets)	single to few kHz	< 1
7-9	Kaon	> 16 GeV incrementing in  1.) 2 GeV steps up to 20 GeV (3 sets)  2.) 5 GeV steps up to 45 GeV (5 sets)	single to few kHz	< 1
10-11	Proton	> 29 GeV  incrementing in  1.) 2 GeV steps up to 35 GeV (3 sets)  2.) 5 GeV steps up to 45 GeV (2 sets)	single to few kHz	< 1
12	Identified electrons	1 GeV < E < 10 GeV	1kHz	1
13	Pions	30 GeV	100kHz	As small as possible
14	TBD			

Detectors will be staying in the beam-line all time, except when experiencing issues with them. Access to the area would be requested when necessary, though it is expected to control the detectors remotely.

<sup>1</sup> In units of particles per 4 sec spill.