

G S I – Protokoll	Meeting Beam Dynamics – Beam Diagnostics
vom 17.12.2025	Protokoll: V.Kornilov
Verteiler:	Teilnehmer
Teilnehmer:	V.Kornilov, P.Forck, M.Schwickert, M.Miski-Oglu, S.Sherstiuk, R.Singh, O.Boine-Frankenheim

	Minutes		
	<p>The slides of the presentation "BSMMeting1712.pdf" have been discussed.</p> <p>The project for BSM measurements in TK is motivated and S.Sherstiuk PhD with a BMFTR funding, in a cooperation GSI with TU Darmstadt and CERN, is introduced: O.Boine-Frankenheim.</p> <p>The installation of the BSM can be possible after the inclusion into the Shutdown Plan, the corresponding meeting is every Wednesday: M.Schwickert.</p> <p>According to the information from Th.Sieber, the position for BSM1 is in TK1 (UNILAC Tunnel), for BSM2 in TK8.</p> <p>The advantages of the BSM2 position in TK8 are addressed on Slide 10.</p> <p>The aspects of the longitudinal-transverse coupling should be considered: P.Forck. The HLI bunches show a longitudinal-transverse correlation structure.</p> <p>The BSM signal fluctuations within a pulse should be taken into account: R.Singh (see the HIATT2022 paper).</p> <p>The reconstruction and dp/p calculation examples from the HLI are discussed in detail.</p> <p>The open questions from the beam diagnostics for the beam dynamics are mostly clarified. Beam dynamics colleagues can continue with the development of the reconstruction software for the two-BSM system in TK, and with the support of the BSM installation in TK.</p>		