

Baryon spectroscopy with Hyp-TPC at J-PARC

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At J-PARC, we built a large acceptance time-projection chamber, named Hyp-TPC, for various studies on baryons. Especially, E45 experiment will study exotic nucleon/Delta resonances via $p(\pi, 2\pi)$ reactions. We will also introduce the other experiments with Hyp-TPC, namely:

- H-dibaryon search (E42)
- Exotic hyperon resonance search (E72)
- ΣN cusp study with $d(K^-, \pi^-)$ reaction

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Classifica Sessioni: Parallel 1

Classificazione della track: Baryon structure through meson electroproduction, transition form factors, and time-like form factors