

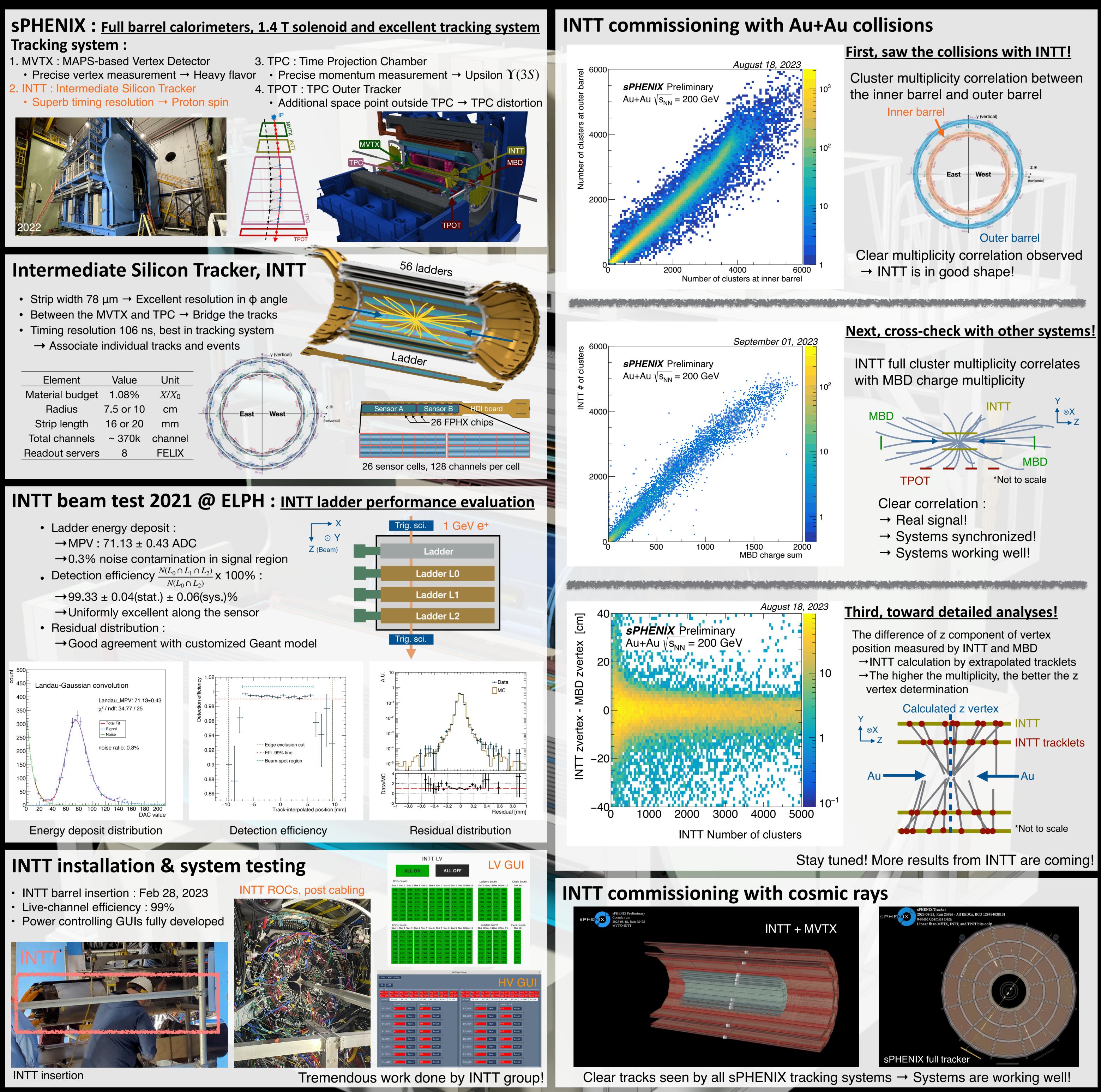
The Intermediate Silicon Tracker of sPHENIX



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Conclusion

The INTT plays a unique role in the sPHENIX tracking system. Its precise timing resolution is capable of associating individual tracks and events, which is essential to cold-QCD physics. A ladder detection efficiency of over 99% was observed in beam test experiment. After INTT insertion, the INTT group confirmed the barrel live-channel efficiency 99%. With collisions, a clear multiplicity correlation was observed between the INTT inner and outer barrels, as well as between the INTT and MBD. With cosmic rays, the cosmic track candidates were seen by sPHENIX full tracking system. INTT was confirmed to be in good shape! The INTT commissioning is nearing completion and moving towards the readiness for physics data taking!

