

SPIN@U-70 Summary:

- Proposal to IHEP-Protvino in November-December 1996
 - to measure $p - p$ elastic Analyzing Power at $P_{\perp}^2 = 1-12 \text{ (GeV/c)}^2$
 - with U-70 Channel 8 extracted proton beam at 70 GeV/c
- IHEP now getting electric power from MINATOM
 - U-70 now has regular runs every year
- Michigan Solid PPT ideally matched to available U-70 proton intensity
 - luminosity $2 \cdot 10^{34} \text{ cm}^{-2} \text{ s}^{-1}$ for $2 \cdot 10^{12}$ protons/pulse
- Could run compatibly with other U-70 experiments
- All shielding and magnets (except possibly M_2 [15 kG-m])
 - available at U-70
- Shortened spectrometer length to fit into building
- Eliminated Cherenkov counter
- Will require new:
 - Data-acquisition system
 - Microwave and magnet power supplies for PPT
 - Superconducting quadrupole for large P_{\perp}^2 measurements
 - Russian Roots Blower Pumps
 - Liquid Helium and Nitrogen