

Experiment	Description	PAC days complete
GlueX-I	Spectroscopy of light and hybrid mesons (low intensity)	80+40 80+40
GlueX-II	Spectroscopy of hadrons with strange quarks (high intensity)	220+
PrimEx-eta	Eta radiative decay width	79 24
CPP	Charge pion polarizability	25
JEF	Rare eta decays	-
SRC	Short-range correlations with real photon beams	15

Experiment	p_{beam} , GeV	Reaction	Resonance
GAMS	32,38,100	$\pi^- p \rightarrow \pi^0 \eta n$	$\pi_1(1400)$
E852	18	$\pi^- p \rightarrow \pi^- \eta^{(\prime)} p$	$\pi_1(1400/1600)$
Crystal Barrel	Annihilation	$\bar{p} n \rightarrow \pi^- \pi^0 \eta$	$\pi_1(1400)$
VES	37	$\pi^- p \rightarrow \pi^- \eta^{(\prime)} p$	$\pi_1(1600)$
COMPASS	190	$\pi^- p \rightarrow \pi^- \eta' p$	$\pi_1(1600)$
COMPASS	190	$\pi^- p \rightarrow \pi^- \eta p$	$\pi_1(1400)$

$$\gamma p \rightarrow \eta \pi^0 p$$

$$\eta \rightarrow \pi^0 \pi^+ \pi^-$$

$$\gamma p \rightarrow \eta \pi^- \Delta^{++}$$

$$\eta \rightarrow \gamma \gamma$$

$$\Delta^{++} \rightarrow p \pi^+$$

$$\gamma p \rightarrow (\pi^0, \eta, \eta') p$$

$$Y(\phi) \sim (1 - P_\gamma \Sigma \cos 2(\phi - \phi_\gamma))$$

$$\gamma d(p) \rightarrow J/\psi X \text{ from } d\sigma/dt(t = t_{min})$$

$$F^2(t) \sim (1 - t/m_{2g}^2)^{-4} \quad m_{2g} = 1.14 \text{ GeV}$$

$$d\sigma/dt(t=0) \sim x^2 g^2(x) \text{ where } x = m_{J/\psi}^2/s.$$