



Workshop „Light meson dynamics“

Mainz, Feb. 10-12 2014





In memory of Ben Nefkens (1934 - 2014)

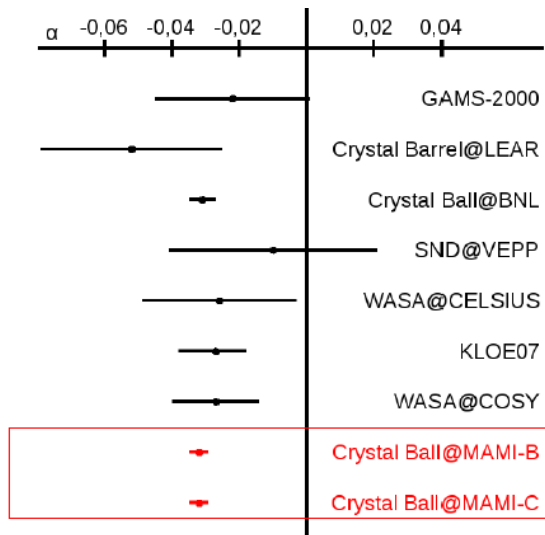
- Many visions in hadronic, rare and forbidden η/η' decays
- Use photo-produced mesons to study their decays
MAMI + Crystal Ball = η/η' factory
- Significant contributions to the experimental program and equipment at MAMI



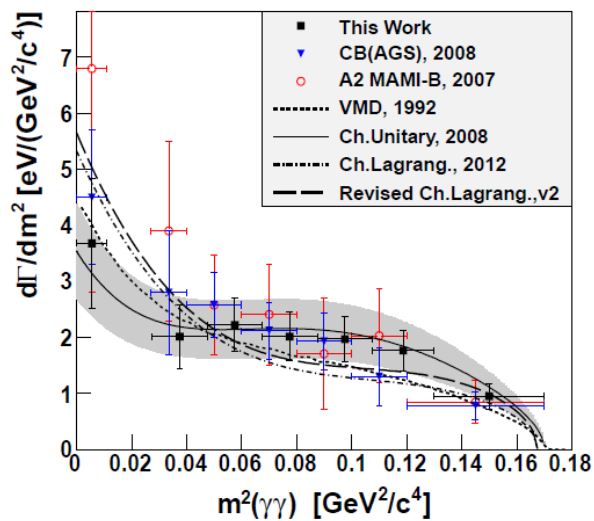
Ben in 2009



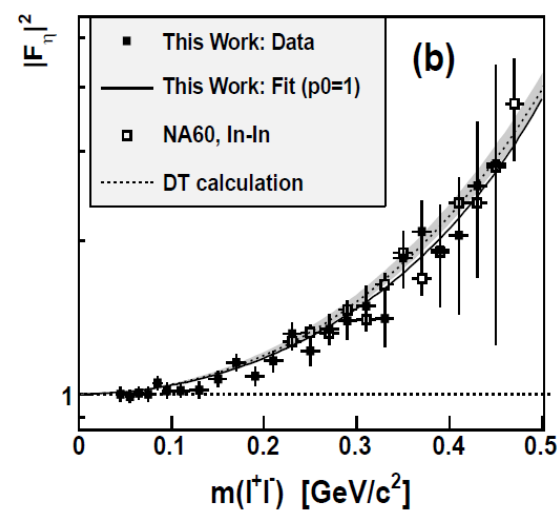
slope parameter in $\eta \rightarrow 3\pi^0$



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

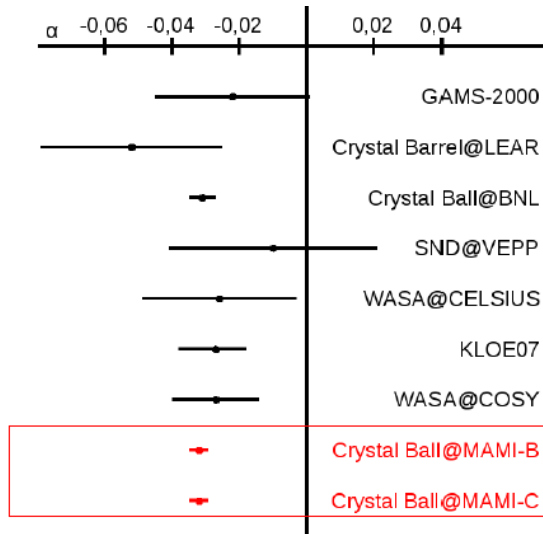


form factor $\eta \rightarrow e^+e^- \gamma$

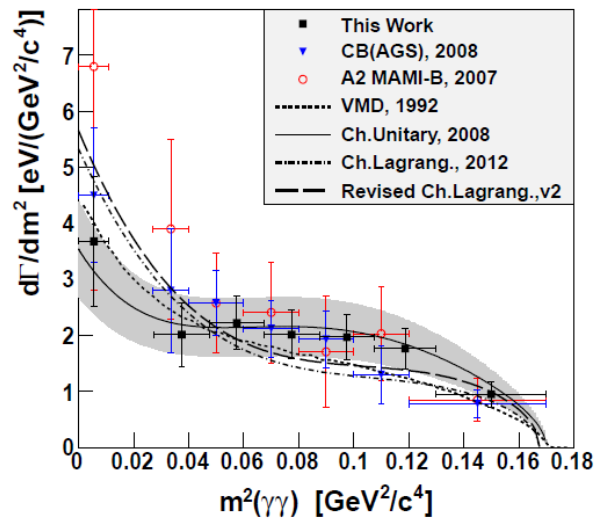




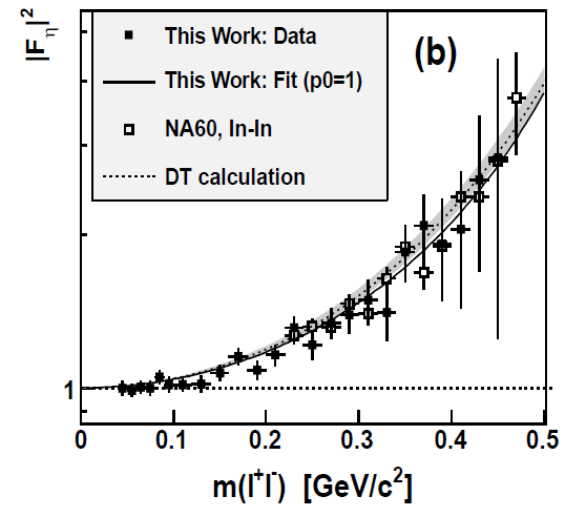
slope parameter in $\eta \rightarrow 3\pi^0$



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



form factor $\eta \rightarrow e^+e^- \gamma$



- Symmetry breaking: spontaneous, explicit, anomaly
- Vector mesons



Embedded in

- EU HadronPhysics Networks (EtaNet, PrimeNet, MesonNet)
- Collaborative Research Center CRC1044 in Mainz

*„The Low-Energy Frontier of the Standard Model -
From Quarks and Gluons to Hadrons and Nuclei“*



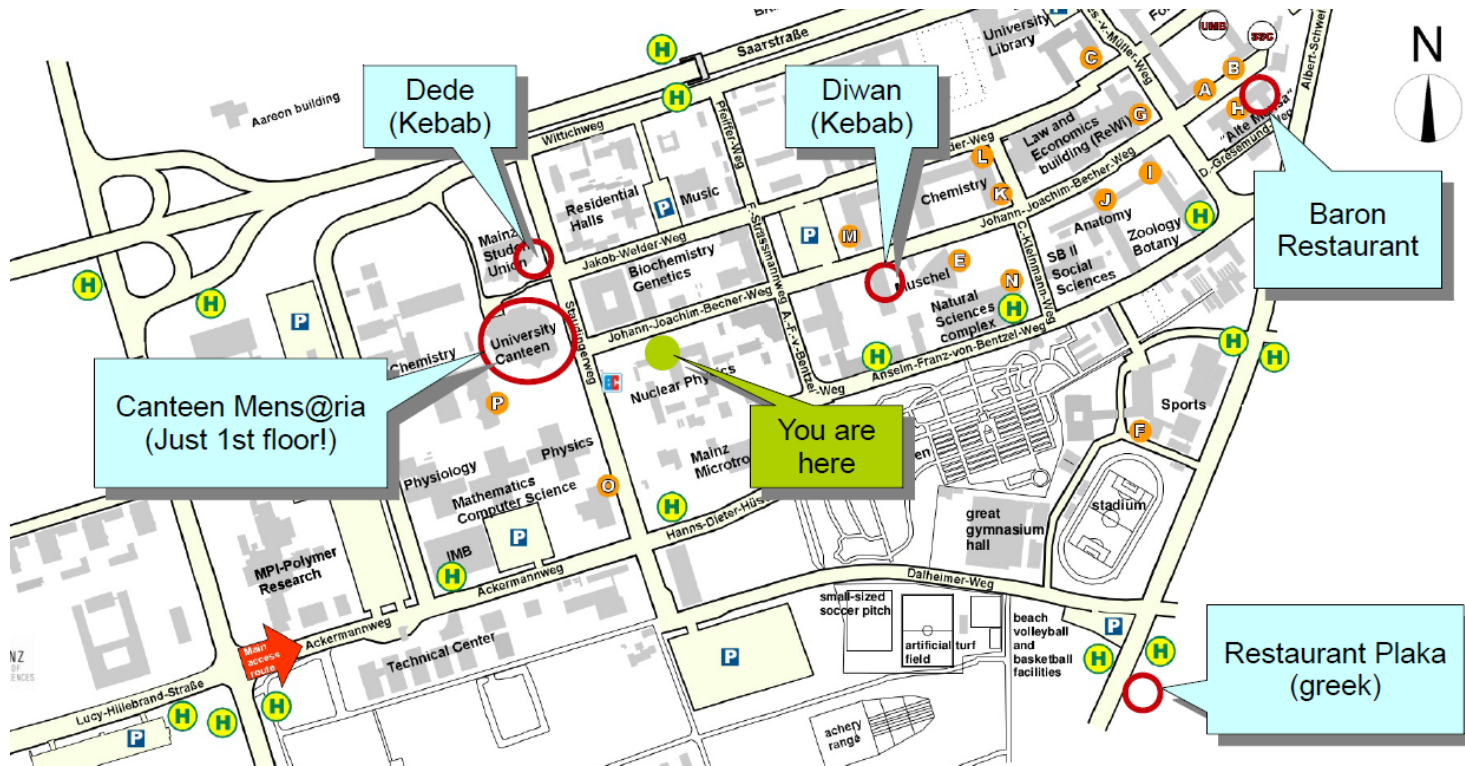
Light Meson Dynamics Workshop Mini-proceedings

February 10–12, 2014 in Mainz, Germany

- Edited by Pere Masjuan (masjuan@kph.uni-mainz.de)
- 1-2 page contributions,
 - Describe state of the art of your subject
 - Give most important references
- Send you contribution to Pere until 1st of March



Lunch: 12:30 – 14:00





Workshop Dinner, today starting at 7pm

