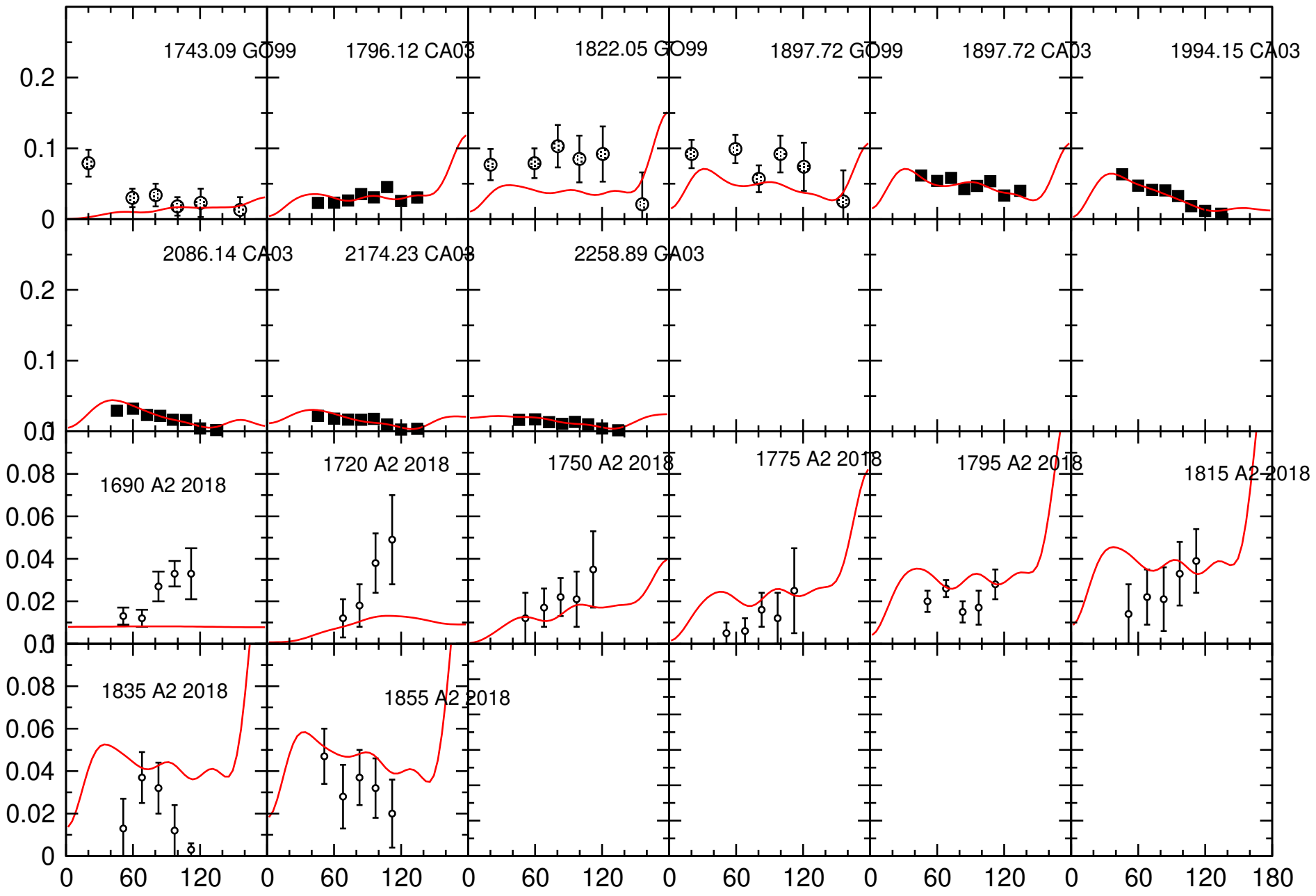
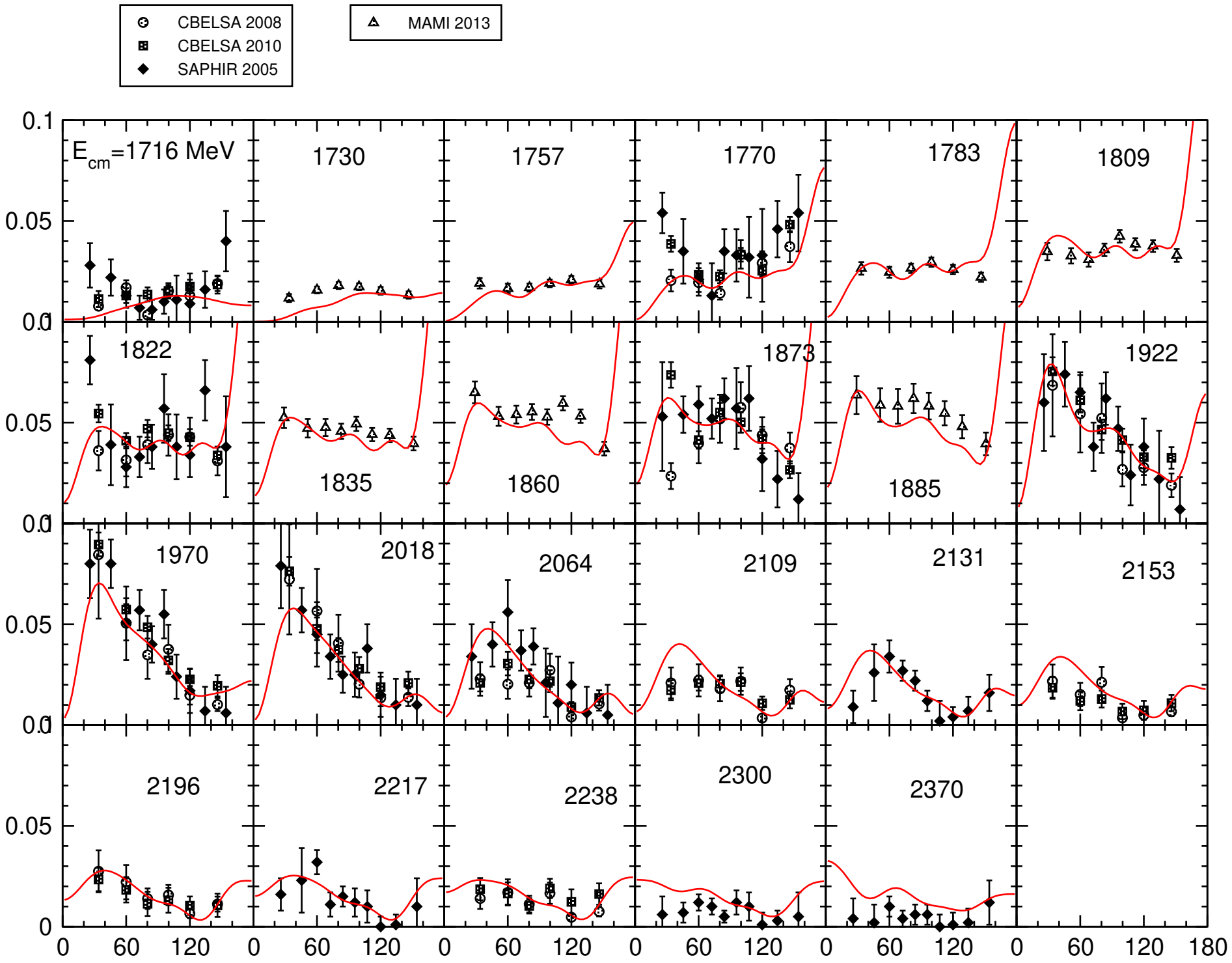
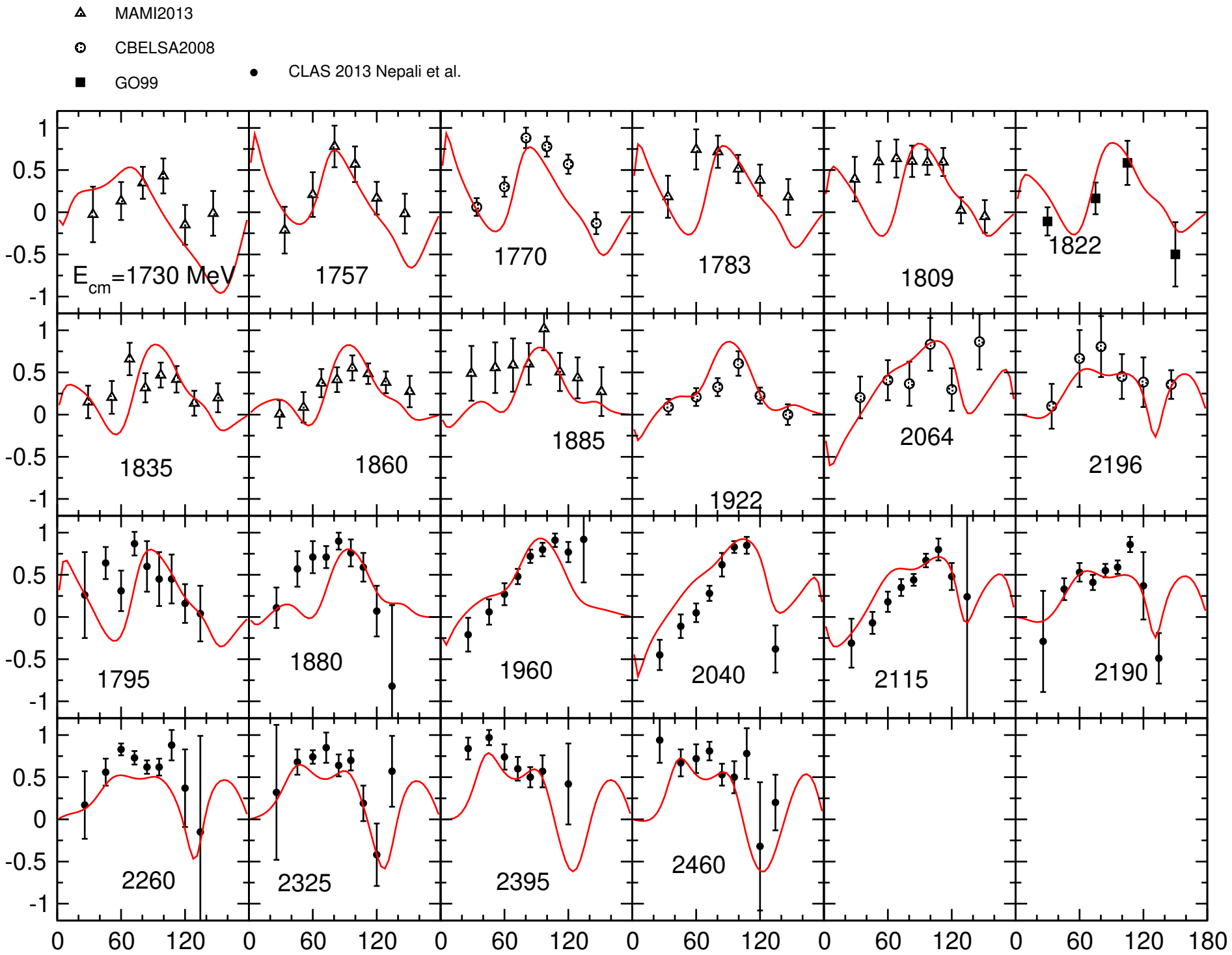


Figure 1: Data: filled (orange) circles: CBELSA/TAPS 2007; filled (black) squares: CBELSA/TAPS 2011; filled (turquoise) diamonds: SAPHIR; open circles: A2 MAMI 2018; open triangles: A2 MAMI 2013; open squares: SAPHIR 1999 (omitted from fit); filled (black) triangles: JLab Hall B 2003


CBELSA 2008
CBELSA 2010
SAPHIR 2005
MAMI 2013
E_cm=1716 MeV
1730
1757
1770
1783
1809
1822
1835
1860
1873
1885
1922
1970
2018
2064
2109
2131
2153
2196
2217
2238
2300
2370
0.1
0.05
0
0
60
120
180


MAMI2013
CBELSA2008
GO99
CLAS 2013 Nepali et al.
E_cm=1730 MeV
1757
1770
1783
1809
1822
1835
1860
1885
1922
2064
2196
1795
1880
1960
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2115
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0
-0.5
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0
60
120
180

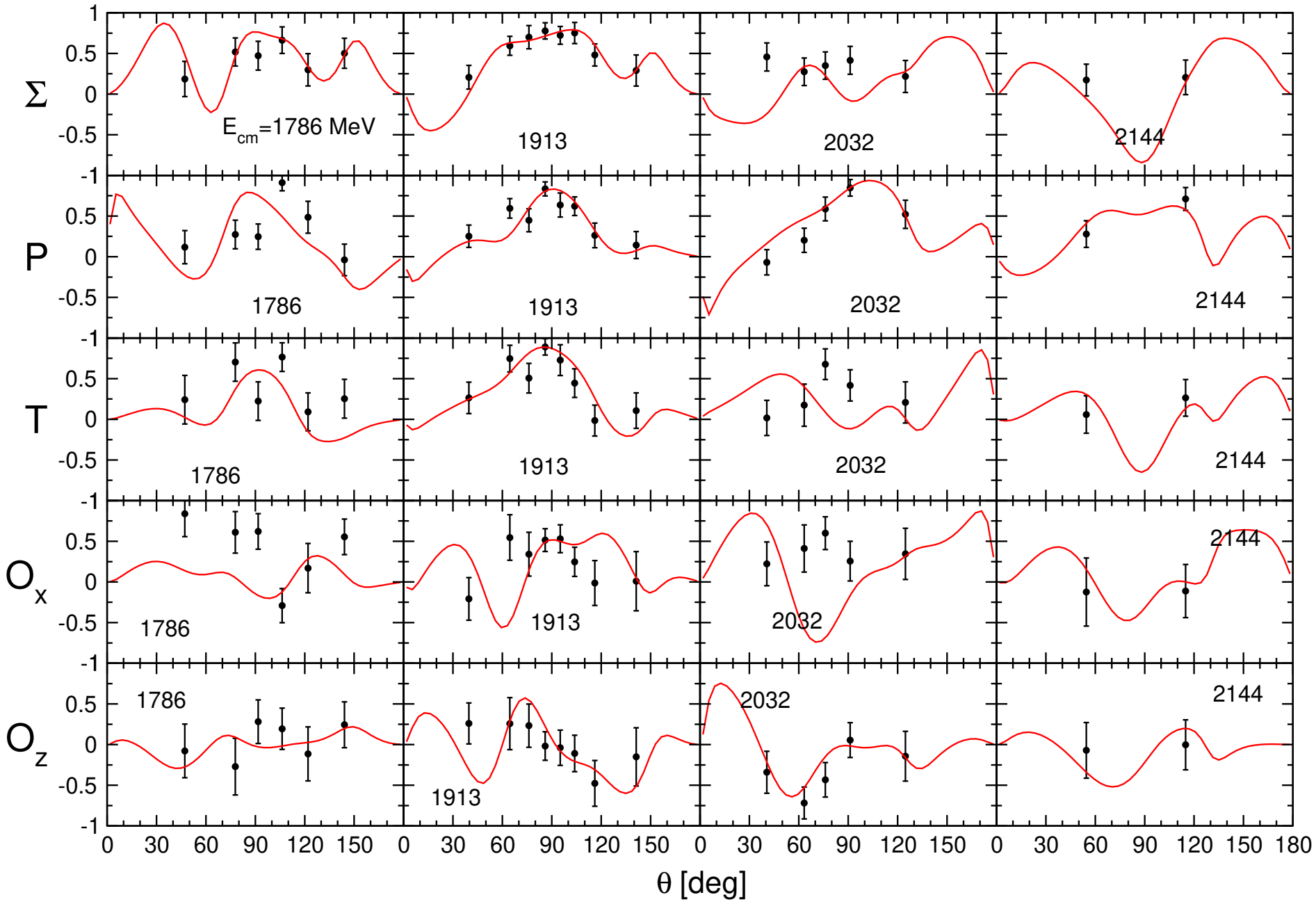

Figure 1: Data for Σ, P, T, O_x and O_z from CLAS2021

Data references

- Differential cross section $\gamma p \to K^0\Sigma^+$:
  - SAPHIR GOERS, PLB464, 331(1999)
  - CA(03)PCLAS CARNAHAN, PHD THESIS, CUA (2003
  - SAPHIR 2005, Lawall EPJA 24, 275
  - CBELSA 2008, Castelijns EPJ A 35, 39
  - CBELSA 2010, Ewald PLB 713, 180 (2012)
  - MAMI 2013, Aguar-Bartolome PRC 88, 044601
  - MAMI A2 2018, Akondi Eur.Phys.J.A 55 (2019)
- Recoil Polarization $\gamma p \to K^0\Sigma^+$:
  - SAPHIR GOERS, PLB464, 331(1999)
  - MAMI 2013, Aguar-Bartolome PRC 88, 044601
  - CBELSA 2008, Castelijns EPJ A 35, 39
  - CLAS 2013, Nepali Phys.Rev.C 87 (2013) 4, 045206
  - CLAS2021, Clark et. al. Phys.Rev.C 111 (2025) 2, 025204
- Beam asymmetry Σ $\gamma p \to K^0\Sigma^+$:
  - CLAS2021, Clark et. al. Phys.Rev.C 111 (2025) 2, 025204
- Target asymmetry T $\gamma p \to K^0\Sigma^+$:
  - CLAS2021, Clark et. al. Phys.Rev.C 111 (2025) 2, 025204
- O_x $\gamma p \to K^0\Sigma^+$:
  - CLAS2021, Clark et. al. Phys.Rev.C 111 (2025) 2, 025204
- O_z $\gamma p \to K^0\Sigma^+$:
  - CLAS2021, Clark et. al. Phys.Rev.C 111 (2025) 2, 025204