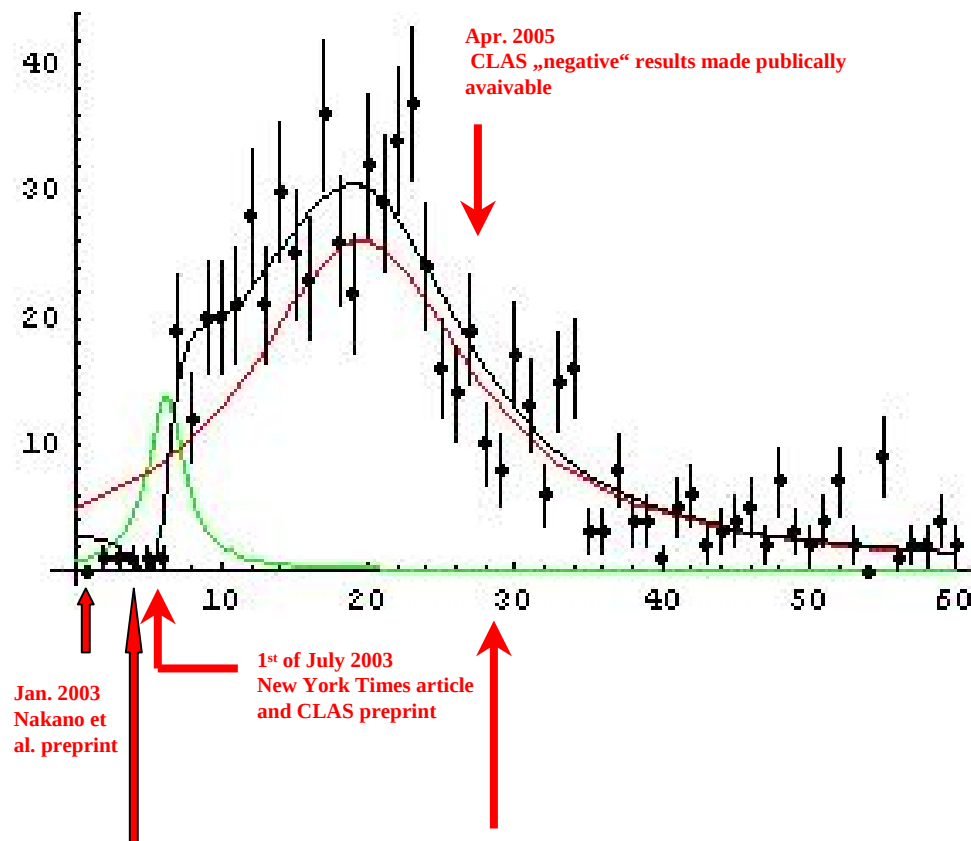


Two time scales in publication rate of preprints about Θ^+



Jan. 2003
Nakano et
al. preprint

Apr. 2003
Dolgolenko et al.
preprint

1st of July 2003
New York Times article
and CLAS preprint

Apr. 2005
CLAS „negative“ results made publically
available



Grave stone from the
Jaffe's talk at DIS 2005

<http://agenda.hep.wisc.edu/conferenceDisplay.py?confId=a052>

Data points - # of preprints which
cited [T. Nakano et al. '03] sorted by
posting date to Arxiv

bin size = 1 month, # of points = 693

One sees wide & narrow structures.
The latter is very similar to the
p-w interference pattern in pion
e.m. FF. Therefore, we fit the data
by the coherent sum of 2 Breit-Wigner

$$\text{publ rate}(t) = \left| \frac{A}{(t-t_0)+i\frac{T_0}{2}} + \frac{Be^{i\delta}}{(t-t_1)+i\frac{T_1}{2}} \right|^2$$

The best fit parameters:

$t_0 = 8^{\text{th}}$ of July 2003, 17 o'clock

$t_1 = 16^{\text{th}}$ of July 2004, 13 o'clock

$T_0 = 3 \text{ months}$, $T_1 = 18 \text{ month } 24 \text{ days}$

$\delta \approx 100^\circ$ See curves!

We found that publications about
 Θ^+ were driven by phenomena with
 ≈ 3 months effect and another with ~ 1.5 year
characteristic time. Our conjecture is that
the first is caused by the publication in
NYT newspaper. Origin of the second &
nature of quantum interference remains
unclear!