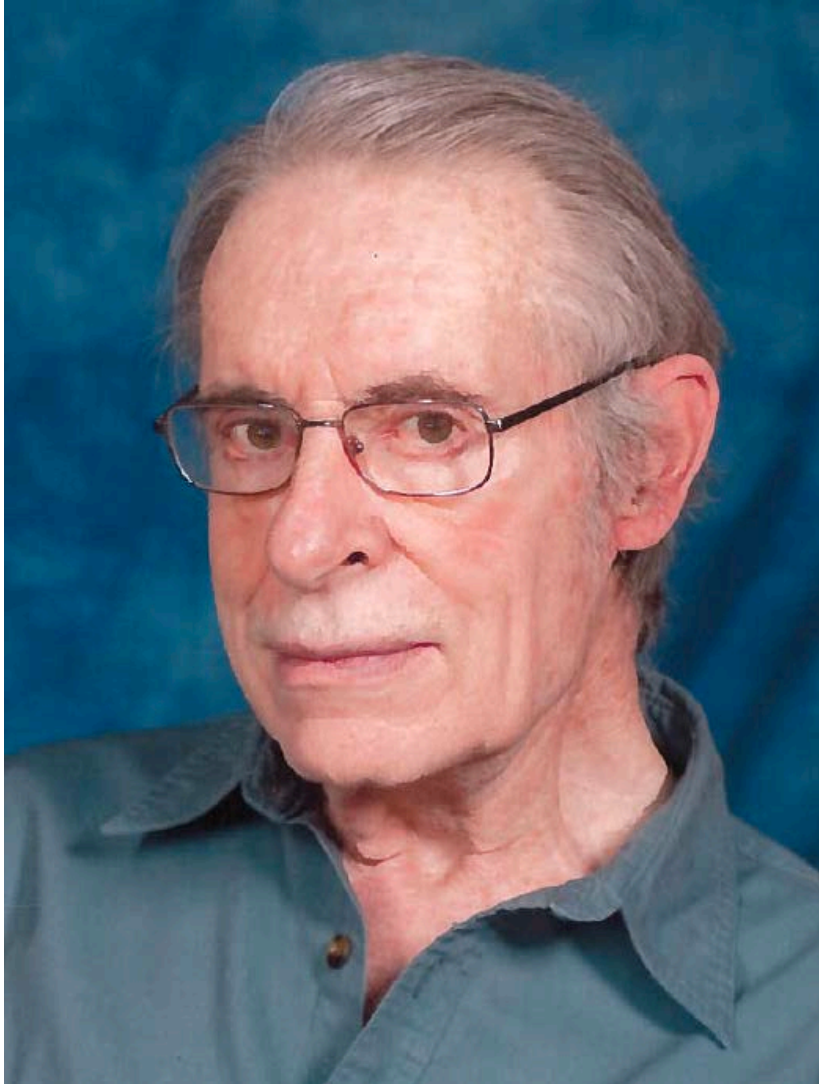


# Robert E. Shafer: Jun 2, 1936 – Nov 11, 2012



Bob was a highly respected person at both Fermi National Accelerator and Los Alamos National Laboratories and known specifically to be a technical-topic stickler.

From the first workshop held in 1989, Bob was one of the Beam Instrumentation Workshop (BIW) "Founding Fathers". Keeping the Faraday Cup, a BIW mainstay, was due to Bob's insistence that the Faraday Cup rules be applied consistently across all awards.

Among Bob's diverse skills, he nurtured several young physicists/engineers along their professional life's path, and then developed a RF-based technical theory of how crickets find their mates.

Bob had two catch phrases that several of us can still hear him say, ...."Really?" and .... "You betcha!".

# Bob Shafer's Contributions

- inSpire Search shows earliest publications:
  - Under Robert Eugene Shafer
    - **1. Pion Mass Measurement By Crystal Diffraction Of Mesonic X-rays**
      - Robert Eugene Shafer (LBL, Berkeley). Dec 1965. 88 pp.
  - Under Robert E Shafer 3 papers
    - **1. The 7.7-meter Bent Crystal Spectrometer At The 184-inch Cyclotron**
      - Kenneth M. Crowe, Robert E. Shafer (LBL, Berkeley). Apr 1966. 37 pp.
      - UCRL-16637
    - **2. Comment on 'Uniformization of the transverse beam profile by means of nonlinear focusing method'**
      - Robert E. Shafer (Los Alamos). 2008. 2 pp.
      - Published in Phys.Rev.ST Accel.Beams 11 (2008) 039001
      - DOI: 10.1103/PhysRevSTAB.11.039001
    - **3. Adjustment of the crystal diffraction measurement of the pion mass**
      - Robert E. Shafer (Fermilab). May 10, 1973. 7 pp.
      - Published in Phys.Rev. D8 (1973) 2313-2314
      - FERMILAB-PUB-73-032-EXP, FERMILAB-PUB-73-032-E

# Bob Shafer's Contributions 2

- inSpire Search shows earliest publications:
  - Under R.E. Shafer 64 papers
    - A tutorial on beam loss monitoring
      - R.E. Shafer (TechSource, Santa Fe). 2003.
      - Published in AIP Conf.Proc. 648 (2003) 44-58
    - Laser diagnostic for high current H- beams
      - R.E. Shafer (Los Alamos). May 1998. 8 pp.
      - Published in AIP Conf.Proc. 451 (1999) 191-198
    - Beam position monitoring
      - R.E. Shafer (Los Alamos). 1989.
      - Published in AIP Conf.Proc. 212 (1990) 26-58

# 1<sup>st</sup> Beam Instrumentation Workshop

AIP Conference Proceedings 212

October 23-26, 1989

Brookhaven National Laboratory

## **ORGANIZING COMMITTEE**

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R. Witkover	Brookhaven National Laboratory

Where it all started