

CALIBRATION TECHNIQUE FOR A SLEET STREAK SPECTROMETER UNDER THE CONDITIONS OF THE PULSE-POWER MIG GENERATOR*

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The paper describes the method of spectral and temporal calibration of the Hamamatsu C10910 sleet streak spectrometer, carried out before experiments on the pulse-power MIG generator [1]. The design and principle of operation of a hydrogen flash lamp specially designed for spectral and temporal calibrations are described. Optical circuits for recording the spectrum of a hydrogen flash lamp and electrical circuits for synchronizing a streak camera with a pulse-power MIG generator are presented.

REFERENCES

- [1] I.E. Gorelchanik, A.F. Korostelev, V.K. Petin, N.A. Ratakhin, A.N. Shepelev, V.F. Fedushchak, S.V. Shlyakhtun, "High-power electron beam generator MIG," 13th International Conference on High-Power Particle Beams, BEAMS 2000, pp. 172-175, 6220141, 2000.

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