

# GENEALOGY DATABASE ENTRY

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Hasenöhrl, Friedrich

1874 - 1915

DEGREE: PhD

DATE: 1897

PLACE: Vienna

TEACHER/RESEARCH ADVISOR: Exner

investigated the temperature dependence of the dielectric constants of liquids and solids; studied the effects of radiant energy within a moving cavity, showing that the trapped radiation increases the apparent mass of the cavity - anticipating Einstein's equation  $E=mc^2$ ; showed (with Herzfeld) that the Balmer formula could be derived with the aid of special assumptions about the distribution of the positive charge in the Thomson atom; studied the pressure and the absorption of electromagnetic radiation by gases; died in action in WWI.

1. *Dictionary of Scientific Biography*; Charles Scribner's Sons: 1970-1990; vol. 6, p163-164.
2. *Neue Deutsche Biographie*; Duncker & Humblot: 1953-1990; vol. 8, p34-35.
3. *Phys. Z.* **1915**, 16, 429-433.
4. *Alm. Akad. Wiss. Wien.* **1916**, 66, 337-339.
5. *Österr. Biog. Lex.* **1815-1950**, 2, 200-201.
6. *Grosse Österreicher*; Amalthea Verlag: 1925-1982; vol. 13, p192-200.
7. Lenard, P. *Grosse Naturforscher (2nd Ed.)*; J. S. Lehmanns Verlag: 1930; p316-324.