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【82】 Spectroscopy in the era of Franz Serafin Exner and the Rowland concave grating

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Optical spectroscopy was an important field of research at the University Vienna around the year 1900. Several devices are still kept in the historical collection of the Faculty of Physics and some are presented in this talk. Franz Serafin Exner (1849-1926) wanted to use optical spectroscopy to find new chemical elements in meteorites, which were available at the Natural History Museum Vienna. However, he did not realize his original idea, as he and his co-worker, Eduard Haschek (1875 –1947), dedicated a lot of time in creating spectroscopic data for all chemical elements being available at their time. Highlight was the use of an original 15 feet Rowland concave grating.

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