Reading material for Warwick PID lecture

List of topics discussed in the lecture:

1. What is particle identification
2. PID techniques
    a. Time of flight
    b. dE/dx technique
    c. Transition radiation
    d. Cherenkov radiation
3. Ring Imaging Cherenkov detectors
    a. Principles
    b. Photon detectors

Chapter 5 in “Detectors for particle radiation” by Konrad Kleinknecht
ISBN: 0-521-35852-3

Review of particle identification by time of flight techniques, W.Klempt
NIM A Volume 433, Issues 1–2, 21 August 1999, Pages 542-553
https://www.sciencedirect.com/science/article/pii/S016890029900323X

Particle identification using the dE/dx and the Cherenkov light detection methods in high energy physics, J. Va’vra
IEEE Transactions on Nuclear Science (Volume: 47, Issue: 6, Dec 2000) pages 1764 – 1774
http://ieeexplore.ieee.org/document/914443/

Transition radiation detectors, B. Dolgoshein
Volume 326, Issue 3, 10 March 1993, Pages 434-469
https://www.sciencedirect.com/science/article/pii/016890029390846A

The DIRC particle identification system for the BaBar experiment
Volume 538, Issues 1–3, 11 February 2005, Pages 281-357
https://www.sciencedirect.com/science/article/pii/S0168900204020753

Performance of the LHCb RICH detector at the LHC
https://doi.org/10.1140/epjc/s10052-013-2431-9