Sketch of LDV Apparatus Used in 520 & 333L

Developed by Prof. Collicott. For 520, split transmitting and receiving optics, place water tunnel test section in between, in place of item 12.

For 520, drop mirrors 1 and 2

Front view of an aperture (8): the diameter is adjustable
Front view of a pin hole (9): the diameter is fixed and close to that of the focus point

1. He-Ne Laser
2. Mirror 1
3. Mirror 2
4. Beam splitter
5. Mirror 3
6. Lens 1
7. Lens 2
8. Aperture
9. Pin hole
10. Photo diode
11. Oscilloscope
12. Outlet of the particle source