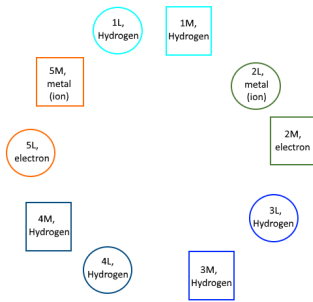


# Dustborne



**M-nx(S32+J32)**

**5C pentagonal set**

## Strathspey

*A cloud of gas, possibly in a galaxy far, far away. It has angular momentum; therefore it rotates.*

1-8 All circle 10 hands round and back, end facing partner.

*There's turbulence...*

9-16 All dance full interlocking reels of 4.

*Gravity and pressure fight for dominance. Gravity wins, fragmentation happens.*

17-24 All advance {2}, retire {2}, advance {3} and break up into smaller groups: 1M+2s+3L, 1L+5s+4M, 3M+4L.

25-32 The groups of 4 circle 4 hands round and back, **while** 3M&4L turn both hands twice,

cast around the circle with their partner and cross over at the top to slot in behind the 1L/1M respectively.

## Jig

*Zooming in on some of the things that happen within the cloud.*

H<sub>2</sub> formation on dust

1-4 1M+2s+3L+4L dance right hands across once round, **while** 1L+5s+4M+3M dance full left hands across

5-8 1M+4L, 1L+3M break from the hands across and lead off to become 3rd + 4th couple of the pentagon respectively,

**while** 2s+3L star back left hand and 5s+4M dance right hands across, reforming the pentagon.

*The pile of hands at the centre of each 'star' represents the dust grains. The slotting in of 4L/3M is the adsorption of hydrogen onto a grain surface.*

*2 people (both hydrogens) breaking off from the grain together symbolises the H<sub>2</sub> formation that has been catalysed by the grain surface.*

## H<sub>2</sub> formation via H<sup>-</sup>, metal line cooling

9-12 **3L** (**4M**) dance a half figure of 8, crossing out between **1L**, **3M** (**1M**, **4L**), and end by picking up **5L** (**2M**) in promenade hold.

*A hydrogen atom reacts with an electron to form H<sup>-</sup>.*

13-16 **3L**+**5L** and **4M**+**2M** dance around the other couple in promenade hold,

dance 2/3 of a left hand star with **1M** or 2/3 of a right hand star with **1L** respectively,

*2<sup>nd</sup> half of the H<sub>2</sub> formation via the H- channel. The H<sup>-</sup> reacts with a Hydrogen to form H<sub>2</sub>*

**while** **2L** and **5M** dance 4 bars of a highland step of their choice.

*[Recommended are a variation on the shake and rock step of the Highland fling, or shake, shake, rock roll of the Hornpipe; the shaking motion signifies a photon being emitted]*

## 3-body H<sub>2</sub> formation

17-20 **4L**, followed by **1M**, **3L** chase around **5L** and into a line between **2L** and **5L**,

**while** **4M**, followed by **1L**, **3M** chase around **5M** and into a straight line between **2M** and **5M**

21-24 **1L**+**3L** and **1M**+**3M** cross over diagonally, giving right hand, **1L**+**3M**+**4L** and **1M**+**3L**+**4L**  
dance 1/2 a left hand star,

*First 3 hydrogens chasing together, then 2 hydrogens crossing and entering the star with more hydrogen atoms is a very crude representation of 3-body H<sub>2</sub> formation.*

**while** **2s** and **5s** chase 1/2 way clockwise around the set

25-32 **2s** and **5s** continue their chase, whilst the **1s**, **3s** and **4s** slot in. After ~4 bars the chase flows into a circle to the left.

1. At the end of bar 32 everyone will be with a new partner, having progressed within the set. Instead of breaking up, the Jig-circle is slowed down and seamlessly transitions into the Strathspey circle.
2. If this is the final time through, the circle ends with everyone swooshing into the centre of the set as the big finale.

*[N.B. Only if danced 5 times will everyone end up with their original partner, in original starting position.]*